

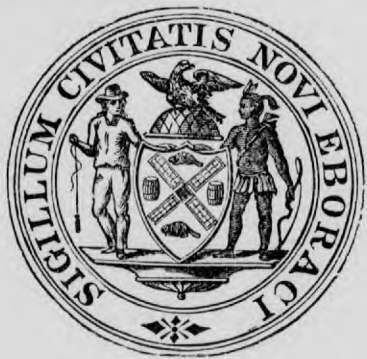
# THE CITY RECORD.

OFFICIAL JOURNAL.

VOL. XVIII.

NEW YORK, THURSDAY, AUGUST 21, 1890.

NUMBER 5,253.



## DEPARTMENT OF PUBLIC WORKS.

### Report for the Quarter ending June 30, 1890.

DEPARTMENT OF PUBLIC WORKS—COMMISSIONER'S OFFICE,  
No. 31 CHAMBERS STREET,  
NEW YORK, July 16, 1890.

Hon. HUGH J. GRANT, Mayor :

SIR—In accordance with section 49 of the New York City Consolidation Act of 1882, I have the honor to submit the following report of the transactions of the Department of Public Works for the quarter ending June 30, 1890 :

#### SUMMARY OF EXPENDITURES.

(Being amount of requisitions drawn on the Comptroller.)

On account of appropriations raised by taxation (Consolidation Act of 1882, section 189) .....	\$696,628 39
On account of Local Improvement Fund for Street Improvements (Consolidation Act, sections 144 and 150) .....	246,617 07
On account of Funded Debt, for improvement and extension of water supply (Consolidation Act, section 141, and Constitution of the State of New York, amended in 1884, sections 2 and 8) .....	42,921 68
On account of Repavement Fund (chapter 346, Laws of 1889) .....	159,013 50
On account of Criminal Court-house Fund (chapter 371, Laws of 1887, section 8) ..	31,590 50
On account of Fund for One Hundred and Fifty-fifth Street Viaduct (Consolidation Act, section 144, and chapter 576, Laws of 1887) .....	532 00
On account of Special Fund, for restoring pavements over street openings (Revised Ordinances of 1880, sections 354 to 357) .....	7,584 00
On account of Revenue Bonds, for furnishing and setting water-meters (Consolidation Act, sections 161 and 352) .....	4,675 48
Total .....	\$1,189,562 62

#### EXPENDITURES FOR SIX MONTHS ENDING JUNE 30, 1890.

Appropriation Account .....	\$1,041,974 08
Local Improvement Fund .....	501,229 63
Funded Debt, water supply .....	103,837 14
Repavement Fund .....	164,689 51
Criminal Court-house Fund .....	31,915 50
One Hundred and Fifty-fifth Street Viaduct .....	875 00
Special Fund, restoring pavements .....	16,677 00
Revenue Bonds, water-meters .....	9,230 60
Total .....	\$1,870,428 46

#### SUMMARY STATEMENT OF CONTRACTS.

##### Contracts Entered Into during the Quarter.

18 sewer contracts, estimated cost .....	\$180,065 64
42 contracts for regulating, grading, curbing and flagging streets and sidewalks, estimated cost .....	84,549 36
27 paving contracts, payable by local assessments, estimated cost .....	244,251 68
8 paving contracts, within the limits of grants of land under water, and payable by local assessments, estimated cost .....	75,923 71
19 repaving contract, estimated cost .....	932,476 00
1 contract for laying water-mains, estimated cost .....	4,757 01
7 miscellaneous contracts, estimated cost .....	19,130 05
39 contracts, under \$1,000 each, estimated cost .....	7,494 82
161 contracts, total estimated cost .....	\$1,548,648 27

##### Contracts Completed during the Quarter.

12 sewer contracts, cost .....	\$106,447 49
32 contracts for regulating, grading, curbing and flagging streets and sidewalks, cost .....	98,747 82
9 paving contracts, payable by local assessments, cost .....	96,481 68
4 repaving contracts, cost .....	55,010 46
3 contracts for taking up and relaying pavements, cost .....	14,375 22
1 contract for laying water-mains, cost .....	15,491 11
10 miscellaneous contracts, cost .....	64,155 08
17 contracts under \$1,000 each, cost .....	5,110 11
88 contracts, total cost .....	\$455,818 97

#### BUREAU OF CHIEF ENGINEER OF THE CROTON AQUEDUCT.

The rainfall in the Croton water-shed and the Bronx river water-shed has continued to be ample and well distributed, and the natural flow of the Croton river has furnished a full supply to the Aqueduct without drafts upon the water stored in the reservoirs and lakes.

The rainfall at the several stations where rain-gauges are kept by the Department, was as follows :

LOCATION.	APRIL. INCHES.	MAY. INCHES.	JUNE. INCHES.	TOTAL INCHES.
Boyd's Corners Reservoir .....	3.03	5.47	3.56	12.33
South East Reservoir .....	3.72	5.92	4.68	14.32
Kensico Reservoir .....	3.14	4.44	5.61	13.19
Croton Dam .....	3.71	5.57	3.75	13.03
Central Park Reservoir .....	2.77	3.31	5.56	11.64

The work for the construction of Reservoir A on the Muscote branch of the Croton river has been fairly begun and is slowly progressing. The searches for the lands required for the upper portion of this reservoir are nearly completed and application will be made at an early day for the appointment of Commissioners of Appraisal.

The Bronx river conduit has furnished an average daily supply of 18,000,000 gallons of water without interruption, for which 350,000,000 gallons of stored water were drawn from the Kensico reservoir, or at the rate of 3,840,000 gallons per day. The storage reservoir at Rye ponds is full to high-water mark.

The acquisition of necessary lands for the conduit to be built for the purpose of diverting the water of the Byram river into the Bronx river system has not yet been consummated, in consequence of which the work of construction is at a stand still.

The ordinary work of care, maintenance and repairs of the aqueduct and its appurtenances has received prompt attention, in addition to which the following work has been done to strengthen the structure :

- 1,109 cubic yards of earth excavated.
- 282 cubic yards of stone quarried.
- 152 cubic yards of retaining-walls built.
- 3,707 lineal feet of fences built.
- 60 cubic yards of brick masonry built.

The construction of the office building for engineers at High Bridge is progressing. The contract for the removal of 20,000 cubic yards of rock and earth from the old reservoir in Central Park has been completed, and another contract for additional improvements to the reservoir has been made and work begun.

A new telephone line for service along the new and old aqueducts is in course of construction. For extending the water service into new streets and districts additional distributing mains have been laid in 14 different streets enumerated in the report of the Chief Engineer of the Croton Aqueduct hereto annexed.

The total length of distributing mains laid is 540 lineal feet of 48-inch pipe, 2,745 lineal feet of 12-inch pipe, 30,906 lineal feet of 6-inch pipe, 3,130 lineal feet of 4-inch pipe ; total, 37,321 lineal feet or 7.07 miles.

In connection with these additional mains, 64 stop-cocks and 103 new fire-hydrants have been placed.

During the quarter 705 additional water-meters have been placed, making a total of 21,053 meters in use at the close of the quarter.

Since April 1 the reservoirs in the Central Park have been drawn down 18 inches in depth, equal to 50,000,000 gallons of water consumed in addition to the 96,000,000 gallons daily received through the aqueduct and the 18,000,000 gallons per day received through the Bronx river conduit. In consequence of this reduction of the depth of water in the reservoirs, the pressure in the distributing mains throughout the city has been correspondingly diminished, giving rise to many complaints of insufficient supply and pressure of water. The public are now generally conversant with the fact that the pressures in the distributing mains cannot be increased until an additional water supply is received through the new aqueduct, and it is earnestly hoped that this addition to the city's water supply will be received at an early day.

#### BUREAU OF WATER PURVEYOR.

The regular organization of the pavement repair force was begun in April with 64 pavers and rammers, 87 laborers, 21 carts and 1 team, and the force was gradually increased to 214 pavers and rammers, 275 laborers, 75 carts and 4 teams employed at the close of the quarter. This force took up and relaid 86,633 square yards of pavements exclusive of small local repairs. There were 17¾ days when the work had to be suspended on account of rain.

Under several contracts for taking up and relaying pavements, 31,901 square yards of pavement were relaid in 11 different streets enumerated in the Water Purveyor's report.

The work of laying new pavements, as now carried on by the Department, is divided into four classes, and the following are the quantities of work done under the several classes during the quarter :

<i>Repavements under the Annual Repavement Appropriation, authorized by Resolutions of the Common Council, under Section 321 of the Consolidation Act, as amended by Chapter 569, Laws of 1887.</i>	
Granite blocks, 6 contracts .....	25,179 square yards.
Asphalt, 1 contract .....	459 "
Total .....	25,638 square yards.

#### *Repavements authorized by the Board of Estimate and Apportionment, under Chapter 346, Laws of 1889.*

Granite blocks, 9 contracts .....	21,365 square yards.
Asphalt, 3 contracts .....	10,747 "
Total .....	32,112 square yards.

#### *New Pavements on Up-town Streets, Payable by Local Assessments on Property Benefited, and authorized by Ordinances of the Common Council.*

Granite blocks, 19 contracts .....	59,823 square yards.
Trap-blocks, 1 contract .....	1,500 "
Total .....	61,323 square yards.



*Repavements on Streets within the Limits of Grants of Land under Water, authorized by Ordinances of the Common Council, under Chapter 449, Laws of 1889, and Payable by Assessments on Adjacent Property.*

Five contracts for this class of pavements have been entered into and the work ordered to be begun, and a number of other contracts are in preparation.

The total area of new pavements laid during the quarter is:

Granite blocks.....	106,367 square yards.
Trap-blocks.....	1,500 "
Asphalt.....	11,206 "
Grand total.....	119,073 square yards.

Work is now in progress on 13 contracts for repavements authorized by resolutions of the Common Council under the annual repavement appropriation, and on 42 different streets where repavements have been authorized by the Board of Estimate and Apportionment under chapter 346, Laws of 1889. The total area of pavements now in progress is 456,000 square yards.

The repavement work has been very much delayed on account of the slow progress made in the construction of the electrical subways, and also in awaiting the construction of cable railroads on Broadway, from Bowling Green to Thirty-second street, and on the line of the Third Avenue Railroad Company on Park Row, from Frankfort street to and including Chatham Square.

#### *Excavations in Public Streets.*

The operations of private corporations and individuals in excavating the public streets for the purpose of laying and repairing their structures under the pavements during the quarter are summarized as follows:

7,256 excavations made for laying and repairing gas-mains, steam-pipes, electric subways and their house connections.

17.54 miles of gas-mains laid.

8.45 miles of electrical subways built.

376 lineal feet of steam-pipes laid.

590 lineal feet of salt water-mains laid.

8,000 lineal feet of double car tracks laid.

250 lineal feet of single car tracks laid.

791 notices issued to corporations and individuals to repair defective pavements over excavations made by them.

778 defective places in pavements repaired in compliance with notices.

The dangers to life and property, especially to the city's water-mains and sewers, and the injury to pavements and inconvenience to the public, arising from the presence of certain underground structures, particularly the steam-pipes and some of the gas-mains, were graphically illustrated by the explosion and fire which occurred on the morning of June 12, at the intersection of Broadway and Fulton street. Immediately after the occurrence I designated Messrs. George W. Birdsall, Chief Engineer of the Croton Aqueduct; Horace Loomis, Engineer in Charge of Sewers, and General Roy Stone, General Inspector on Street Openings, as a Commission to examine into and report to me the causes of the explosion, and, under date of June 18, I transmitted to you their report, and gave a summary of the same, the conclusion being that the accident was directly traceable to the action of the New York Steam Company, which had excavated the street to a depth of twelve feet for the purpose of making repairs to its steam-pipes and connections. In reference to the New York Steam Company's mains the report of the Commission stated that in streets where almost every foot of space is occupied by sewers, gas-mains and water-pipes, the steam-mains are a constant source of inconvenience and danger to the public; that the system of jointing the mains or pipes in the lower part of the city is so imperfect that tight joints have never been secured and leaks and explosions have been frequent; that the high temperature and pressure of the steam contained in the mains affect everything within range, raising the temperature in sewers so that men cannot enter them for cleaning or repairs, causing rapid fermentation, the discharge of noxious gases from the manholes, the heating of the water in the distributing mains and service pipes, and the loosening of all joints and connections. By tests made under the direction of the Health Department and of this Department it was ascertained that in several streets the temperature of the soil in the proximity of steam-pipes was from twenty to fifty-eight degrees higher than the temperature of the atmosphere. In Wall street the effect of this heating of the soil was not only to injure but actually to melt the newly laid asphalt pavement.

In nearly all of my regular quarterly reports, and in several special reports and communications to you, I have set forth the difficulties in the way of laying and maintaining proper pavements and protecting public and private property in consequence of the absence of sufficient authority on the part of this Department, or the city authorities generally, to exercise that control over the works and operations of the New York Steam Company which the public safety and convenience demands, and I urged the necessity of legislation to confer power on the Department to designate not only the streets in which steam-pipes may be laid, but also the exact locations and positions in the streets, and to prescribe and enforce the proper method of jointing and connecting the pipes and covering them with the most approved non-conducting material. These recommendations I now renew.

The following permits were issued from the Bureau of Water Purveyor during the quarter:

72 permits for the construction of vaults.

66 permits to repair vaults.

184 permits to erect guy-posts.

82 permits to build fires on streets for heating roofing material, etc.

31 permits to repair pavements at expense of applicants.

1 permit to the Equitable Gas-light Company, to pave Fortieth street, from First avenue to the East river.

1 permit to the Bank of New York, to lay an asphalt pavement in William street, between Wall and Pine streets.

2 permits for laying crosswalks at the expense of the applicants.

In the repairs of distributing mains, stop-cocks and fire-hydrants, an average force of 122 mechanics and laborers and 15 carts was employed; and in connection with the repairs made by this force, three additional fire-hydrants were placed, and 144 old fire-hydrants were replaced with new ones.

During the quarter 44 public drinking-hydrants were repaired and seven new drinking-hydrants were erected in different places enumerated in the Water Purveyor's report.

#### OFFICE OF ENGINEER IN CHARGE OF SEWERS.

During the quarter 17 contracts for the construction of sewers and receiving-basins were completed, and at the close of the quarter, work was in progress on 20 sewer contracts. The total length of new sewers built is 1,004 lineal feet, with 8 receiving-basins and the present extent of the sewerage in all that part of the city south of the Harlem river is 436.2 miles, with 5,233 receiving-basins.

The following are the principal items of work done in repairing and cleaning sewers and basins:

1,259 receiving-basins cleaned.

18,033 lineal feet of sewers cleaned.

113 lineal feet of sewers rebuilt.

51 lineal feet of new spur-pipe laid.

105 lineal feet of new pipe culvert laid.

26 lineal feet of new pipe sewer laid.

1 new receiving-basin built.

3 new manholes built.

451 manholes-heads reset.

4 basin-heads reset.

12 receiving-basins repaired.

28 new manhole-heads and 60 manhole-covers furnished and placed.

9 new granite basin-heads and 36 basin-covers furnished and placed.

1,773 cubic feet of brick wall built.

179 square feet of flagging relaid.

423 square yards of pavement relaid.

35,019 cubic yards of earth excavated and refilled.

3,175 cart-loads of sewer deposit removed.

#### BUREAU OF STREET IMPROVEMENTS.

During the quarter 3 contracts for regulating and grading streets, 2 contracts for setting curb and laying flagging, 27 contracts for flagging sidewalks, and 8 contracts for fencing vacant lots, amounting in the aggregate to \$99,955.81, were completed.

The aggregate quantities of work done under the several contracts are as follows:

10,142 cubic yards of earth excavated.

17,308 cubic yards of rock excavated.

61,764 cubic yards of filling placed in embankments.

10,356 lineal feet of curb-stones set.

8,905 lineal feet of curb-stones reset.

102,124 square feet of flagging laid.

39,601 square feet of flagging relaid.

2,525 lineal feet of fences built.

50 cubic yards of retaining-wall built.

100 lineal feet of stone culvert built.

At the close of the quarter work was in progress on 28 regulating and grading contracts and 9 contracts for flagging sidewalks.

#### BUREAU OF STREETS AND ROADS.

The following are the principal items of work done in the repairs and maintenance of the 25½ miles of macadam roadways under the charge of this Bureau:

28,305 square yards of roadways resurfaced and repaired.

1,000 square yards of gravel roadway resurfaced.

827 square yards of gutters repaved.

1,484 square feet of flagging relaid.

632 lineal feet of curb-stones reset.

2,658 truck loads of broken trap-stone used.

960 truck loads of trap-rock screenings used.

95 truck loads of Telford stone used.

1,396 truck loads of gravel used.

880 truck loads of gravel bank screenings used.

215 truck loads of sand used.

About 20 miles of roadways were regularly sprinkled during dry weather.

In the repairs of unpaved roadways the following work was done:

3,293 square yards of roadways macadamized with broken stone.

200 square yards of roadways repaired.

50 lineal feet of stone drains built.

600 lineal feet of curb reset.

1,380 lineal feet of fence built.

1,524 shade trees trimmed and cultivated.

1½ miles of roadways regraded.

#### BUREAU OF LAMPS AND GAS.

In the course of the quarter the following additions and changes were made in the public lamps:

401 new gas-lamps placed and lighted.

12 new naphtha-lamps placed and lighted.

72 old gas-lamps relighted.

1 electric-lamp relighted.

123 gas-lamps discontinued.

At the close of the quarter there were 26,853 gas-lamps, 872 electric-lights, and 138 naphtha-lamps in use on the streets, parks, places, bridges and docks of the city.

#### BUREAU OF REPAIRS AND SUPPLIES.

On March 20, 1890, the contractors for the masonry work for the new Criminal Court building on the block bounded by Centre, Elm, Franklin and White streets, were ordered to begin work and they promptly responded by commencing the clearing of the building site. The excavation of the trenches for the exterior walls was begun April 7 and the driving of the piles for the foundation was commenced May 1. The driving of piles is nearly completed and considerable progress has been made in the mason work for the foundation.

The following are the quantities of work done up to June 30:

10,000 cubic yards of excavation.

750 lineal feet of double sheath piling.

1,933 piles driven.

604 cubic yards of concrete laid for foundations.

3,912 cubic feet of granite base plates used.

498,000 bricks laid.

1,314 barrels of cement used.

Among the principal items of repairs and improvements on the various public buildings are:

Repairing and painting the roof of the New County Court-house and improving the steam machinery and introducing the Johnson system of heat regulation.

Repairing and painting the north front of the City Hall and painting the iron railing in front of the plaza.

Completing the alterations and improvements in the Hall of Records, adding an entire story to the Register's office.

Providing additional desks, closets and other office furniture for the offices of the Finance Department.

Repairing portions of the roof of Washington Market.

Repairing and painting the entire roofs of the 10 buildings of West Washington Market, and repairing and relining the gutters.

Relaying portions of the floor in Fulton Market.

Repairing roofs and skylights in Clinton Market.

Relaying the flooring in the Armory of the Second Battery; repairing the roof of the Seventh Regiment Armory; furnishing new lockers in the armories of the Sixty-ninth and Seventy-first Regiments.

In the report of the Superintendent of Repairs and Supplies, hereto annexed, will be found an exhaustive statement and description of the steam apparatus in the various public buildings under the charge of this Department. While the Department is called upon to keep in repair and furnish fuel and other supplies for the steam apparatus in the various armories of the National Guard, it exercises no control either as to the appointment or supervision of the engineers and firemen in charge of such apparatus, who are appointed by and subject to the orders of the commanding officers of the various militia organizations. Some authority should be given to the Department over these engineers and firemen, so as to exercise proper control of the use of the steam, machinery and apparatus, and the consumption of fuel and other supplies.

A contract has been made for repairing and rebronzing the soldiers' monuments in Calvary and Greenwood Cemeteries, also for painting the rooms of the Supreme Court in the New Court-house, and for repairs to the roofs of the Twelfth Regiment Armory.



Free Floating Baths.

The 15 free floating baths have been put in thorough condition for the bathing season, and were placed in their respective berths beginning on the 1st of June. They are located as follows: On the North river—At the Battery, Duane street, Horatio street, Twenty-seventh street, Fiftieth street, and One Hundred and Thirty-first street. On the East and Harlem rivers—At Market street, Grand street, Stanton street, Nineteenth street, Thirty-seventh street, Fifty-first street, Seventy-eighth street, One Hundred and Twelfth street, and One Hundred and Thirty-eighth street.

The total attendance at the several baths to June 30 was 450,324 males and 170,640 females.

BUREAU OF INCUMBRANCES.

The operations of this Bureau for the quarter are summarized as follows:

- 1,466 complaints of obstructions received and attended to.
- 907 seizures and removals of obstructions made.
- 2,694 permits issued to place building material on streets.
- 5 permits issued to cut down shade-trees.
- 433 miscellaneous permits issued.
- 311 notices issued to repair defective sidewalks.
- 16 notices issued to repair defective vault covers.
- 299 telegraph poles, and about
- 6,262,000 lineal feet of electric-wires removed.
- 96 dead and dangerous shade-trees, stumps, etc., removed.
- 367 cart-loads of dirt, stone and other refuse material removed from the streets.

BUREAU OF WATER REGISTER.

The following is the amount of revenue from the water-service collected and paid into the City Treasury during the quarter:

For water rents	\$782,461 97
For penalties on water rents	1,248 30
For permits to tap water-mains	4,656 00
Total	\$788,366 27

MISCELLANEOUS REVENUE.

The following amounts were also collected from various sources and paid into the City Treasury during the quarter:

For sewer permits	\$8,375 85
For vault permits	40,870 38
For redemption of street obstructions	404 25
For articles sold at auction	7,192 23
For work and material furnished citizens	1,320 91
For rent of farm at Lake Gilead	9 00
For restoration of pavements over street openings	7,584 00
For furnishing and setting water-meters	4,675 48
Total	\$70,432 10

The following documents, containing further detailed information of the transactions of the Department, are appended to this report:

- Document A—Statement of appropriations and expenditures.
- Document B—Detailed statement of expenditures.
- Document C—Statement of contracts.
- Document D—Report of Chief Engineer of the Croton Aqueduct.
- Document E—Report of the Water Purveyor.
- Document F—Report of the Engineer in Charge of Sewers.
- Document G—Report of the Superintendent of Street Improvements.
- Document H—Report of the Superintendent of Streets.
- Document I—Report of the Superintendent of Lamps and Gas.
- Document K—Report of the Superintendent of Repairs and Supplies.
- Document L—Report of the Superintendent of Incumbrances.
- Document M—Report of the Water Register.

Very respectfully,

THOS. F. GILROY, Commissioner of Public Works.

Document "A."

Showing Titles of Appropriations; Appropriations with Transfers of 1889; Requisitions on 1889 to April 1, 1890; Requisitions on 1889 in Second Quarter, 1890; Balances of 1889 on July 1, 1890; Appropriations with Transfers, 1890; Requisitions First Quarter, 1890; Requisitions Second Quarter, 1890; Balances July 1, 1890; the Titles and Expenditures on Trust and Special Accounts, and Receipts for the First Six Months of 1890.

TITLES OF APPROPRIATIONS.	APPROPRIATIONS, INCLUDING TRANSFERS, OF 1889.	REQUISITIONS FROM JANUARY 1, 1889, TO APRIL 1, 1890.	REQUISITIONS ON LIABILITIES OF 1889, DURING SECOND QUARTER, 1890.	BALANCES OF 1889, ON JULY 1, 1890.	APPROPRIATIONS WITH TRANSFERS FOR 1890.	REQUISITIONS, FIRST QUARTER, 1890.	REQUISITIONS, SECOND QUARTER, 1890.	BALANCES, JULY 1, 1890.
Aqueduct—Repairs, Maintenance and Strengthening.....	\$218,800 00	\$199,172 62	\$9,938 09	\$9,689 29	.....	.....	.....	.....
Care, Maintenance and Repairs.....	.....	.....	.....	.....	\$175,000 00	\$18,444 09	\$29,175 75	\$127,380 16
Completing the Excavation in the Old Central Park Reservoir.....	.....	.....	.....	.....	150,000 00	.....	2,025 00	147,975 00
Building New Gate-house and Removing the Old Gate-house.....	.....	.....	.....	.....	24,000 00	.....	.....	24,000 00
Aqueduct—Repairs, Maintenance and Strengthening—Salaries.....	27,165 00	26,331 40	834 60	834 60	27,000 00	5,895 53	6,520 18	14,584 29
Boring Examinations for Grading and Sewer Contracts.....	3,600 00	3,599 50	50	50	3,600 00	793 50	1,659 05	1,147 45
Boulevards, Roads and Avenues, Maintenance of.....	100,000 00	99,891 96	108 04	108 04	100,000 00	9,917 23	40,991 54	49,121 23
Boulevards, Roads and Avenues, Maintenance of—Salaries.....	2,500 00	2,499 96	4	4	2,500 00	6 49	624 99	1,450 02
Bronx River Works—Maintenance and Repairs.....	24,350 00	21,403 82	750 00	2,190 18	25,000 00	8,211 00	6,227 11	10,561 89
Bronx River Works—Maintenance and Repairs—Salaries.....	3,900 00	3,665 67	233 33	233 33	2,400 00	600 00	600 00	1,200 00
Construction of two New Baths, at Market and Fifty-ninth streets, East river.	25,000 00	24,990 00	10 00	10 00	.....	.....	.....	.....
Contingencies—Department of Public Works.....	4,000 00	3,931 26	68 74	68 74	4,000 00	713 72	778 15	2,508 13
Flagging Sidewalks and Fencing Vacant Lots in Front, etc.....	6,000 00	2,446 23	3,553 77	3,553 77	3,000 00	.....	82 47	2,917 53
Free Floating Baths—Care and Maintenance.....	18,550 00	18,228 51	321 49	321 49	22,000 00	642 50	7,300 57	14,656 93
Free Floating Baths—Care and Maintenance—Salaries.....	30,000 00	26,355 50	3,644 50	3,644 50	32,000 00	2,700 00	6,140 00	23,151 00
Lamps and Gas and Electric Lighting.....	700,000 00	696,263 46	3,736 54	3,736 54	700,000 00	112,539 10	169,334 21	418,125 69
Lamps and Gas and Electric Lighting—Salaries.....	6,500 00	5,663 16	535 84	535 84	6,500 00	1,581 94	1,624 95	2,293 11
Laying Croton Pipes.....	232,000 00	197,808 34	6,658 69	27,532 97	232,000 00	362 21	27,745 12	203,892 67
Laying Croton Pipes—Salaries.....	18,000 00	15,262 06	1,737 94	1,737 94	18,000 00	4,373 50	4,168 00	9,438 50
Public Buildings—Construction and Repairs.....	101,875 00	97,776 65	4,098 35	4,098 35	94,345 00	7,785 47	11,117 00	75,442 53
Public Drinking-hydrants.....	6,000 00	4,843 48	1,156 52	1,156 52	3,000 00	662 08	662 08	2,337 92
Public Drinking-hydrants—Salaries.....	1,200 00	1,200 00	.....	.....	1,200 00	300 00	300 00	600 00
Removing Obstructions in Streets and Avenues.....	48,771 04	46,783 10	1,987 94	1,987 94	40,000 00	9,934 05	10,703 64	20,262 31
Removing Obstructions in Streets and Avenues—Salaries.....	8,400 00	7,013 41	1,386 59	1,386 59	7,800 00	1,725 00	1,865 65	4,180 35
Repairing and Renewal of Pipes, Stop-cocks, etc.....	224,125 00	* 200,892 32	7,666 36	15,536 32	220,000 00	39,916 99	59,516 38	120,566 63
Repairs and Renewal of Pavements and Regrading.....	400,000 00	378,966 31	14,525 91	6,507 78	350,000 00	16,740 86	51,603 58	279,565 56
Repairs and Renewal of Pavements and Regrading—Salaries.....	18,000 00	17,113 38	886 62	86 62	17,000 00	4,292 44	4,167 48	8,540 08
Repaving Streets and Avenues.....	319,714 35	91,529 49	65,119 15	183,065 71	400,000 00	.....	9,370 16	390,629 84
Repaving Streets and Avenues—Salaries.....	18,000 00	10,434 28	7,565 72	7,565 72	13,000 00	1,170 00	1,667 25	10,162 75
Retaining-walls in East Fifty-first street and East Forty-second street.....	.....	.....	.....	.....	15,000 00	.....	244 00	14,750 00
Roads, Streets and Avenues Unpaved—Maintenance and sprinkling.....	25,000 00	24,821 92	178 08	178 08	25,000 00	3,661 24	5,539 92	15,798 84
Salaries—Department of Public Works.....	105,700 00	94,794 53	10,905 47	10,905 47	92,000 00	22,824 40	22,999 71	46,175 89
Salaries—Engineer, Clerks, etc.—Bureau of Water Register, etc.....	55,000 00	47,863 02	7,136 98	7,136 98	52,000 00	12,102 87	12,422 26	27,474 87
Sewers—Repairing and Cleaning.....	175,000 00	160,466 22	9,114 51	5,419 27	160,000 00	17,407 40	37,491 00	105,041 60
Sewers—Repairing and Cleaning—Salaries.....	10,000 00	9,939 92	60 08	60 08	10,000 00	2,490 98	2,509 98	5,020 04
Sewerage System—Salaries.....	17,000 00	12,890 95	4,109 05	4,109 05	8,600 00	1,751 18	2,044 17	4,804 65
Street Improvements—For Surveying, Monumenting, etc.....	2,000 00	1,703 95	296 05	296 05	3,000 00	666 00	653 00	1,781 00
Supplies for and Cleaning Public Offices.....	133,885 98	† 125,466 15	4,466 83	3,953 00	132,000 00	24,783 14	25,911 37	84,305 49
Supplies for and Cleaning Public Offices—Salaries.....	20,000 00	19,273 72	726 28	726 28	18,000 00	4,954 88	4,866 17	9,093 95
Surveys, Maps, etc., for Street Openings, etc.—Salaries.....	12,000 00	10,591 49	1,408 51	1,408 51	7,100 00	1,774 98	1,774 98	3,550 04
Supplying Water to Shipping and for Building Purposes—Salaries.....	10,180 00	10,179 35	65	65	10,000 00	2,425 50	2,583 00	4,991 50
Water Supply for the Twenty-fourth Ward.....	7,800 00	4,990 29	300 80	2,428 31	7,800 00	.....	1,814 23	5,985 77
Water Supply for the Twenty-fourth Ward—Salaries.....	1,200 00	1,200 00	.....	.....	1,200 00	200 00	300 00	700 00
Wells and Pumps—Repairing and Cleaning.....	250 00	190 16	59 84	59 84	250 00	.....	.....	250 00
Totals.....	\$3,161,467 37	\$2,730,546 04	\$118,650 34	\$312,270 99	\$3,219,215 00	\$315,345 69	\$577,213 10	\$2,296,656 21
NOTE.—Requisition drawn of 1888—Laying Croton Pipes.....	.....	.....	.....	.....	.....	.....	\$764 95	.....
Special—Repaving, chapter 346, Laws 1889.....	\$1,000,000 00	\$79,345 20	\$153,088 74	\$767,566 06	\$1,000,000 00	\$5,676 01	5,924 76	\$988,399 23

\* Credited by returned voucher of W. A. Helms, \$175.64.

† Credited by returned voucher of George Bruce, \$125.

TITLES OF TRUST ACCOUNTS.	BALANCES FROM 1889.	RECEIPTS, FIRST QUARTER, 1890.	RECEIPTS, SECOND QUARTER, 1890.	BALANCES OF 1889 AND RECEIPTS OF 1890.	REQUISITIONS, FIRST QUARTER, 1890.	REQUISITIONS, SECOND QUARTER, 1890.	REQUISITIONS, SIX MONTHS, 1890.	BALANCES, JULY 1, 1890.
Croton Water Fund.....	.....	.....	.....	.....	\$60,915 46	\$42,921 68	\$103,837 14	.....
Fund for Local Improvements.....	.....	.....	.....	.....	251,612 56	246,617 07	501,229 63	.....
Restoring and Repaving—Special Fund—Department of Public Works.....	\$10,968 10	\$6,115 00	\$9,936 00	\$27,019 10	9,093 00	7,584 00	16,677 00	\$10,342 10
Water-meter Fund, No. 2.....	27,290 62	62 50	1,157 93	28,911 05	4,555 12	4,675 48	9,230 60	19,680 45
Criminal Court-house Fund.....	.....	.....	.....	.....	325 00	31,590 50	31,915 50	.....
Fund for Viaduct, from St. Nicholas place to McComb's Dam Bridge.....	.....	.....	.....	.....	313 00	532 00	875 00	.....

Statement of General Bookkeeper, Department of Public Works, Showing all Revenues of the City Received through the Department during the First and Second Quarters of 1890.

SOURCE OF REVENUE.	FIRST QUARTER.	SECOND QUARTER.	TOTAL.	SOURCE OF REVENUE.	FIRST QUARTER.	SECOND QUARTER.	TOTAL.
Water rents.....	\$259,862 74	\$782,461 97	\$1,042,324 71	Sales at auction.....	\$4,471 60	\$7,192 23	\$11,663 83
Water penalties.....	1,245 30	2,493 30	2,493 60	Work and material furnished citizens.....	4,369 71	1,320 91	5,690 62
Pipe tapping.....	2,451 50	4,656 00	7,107 50	Rent of farm, Lake Gilead.....	.....	9 00	9 00
Sewer permits.....	6,096 05	8,375 85	14,471 90	Totals.....	\$306,459 58	\$846,538 89	\$1,152,998 47
Vault permits.....	25,406 18	40,870 38	66,275 56				
Redemption of street obstructions.....	2,483 75	404 25	2,888 00				
Use of road roller and pipe storage.....	72 75	.....	72 75				

C. T. McCLENACHAN, General Bookkeeper, D. P. W.



## Document "B."

A Detailed Statement of Expenditures for which Requisitions were drawn on the Comptroller by the Commissioner of Public Works during the Quarter ending June 30, 1890.

## APPROPRIATIONS.

## Aqueduct—Repairs, Maintenance and Strengthening—

Blacksmithing.....	\$80 01
Building pit, etc.....	122 00
Improvements to old reservoir.....	2,025 00
Pay-rolls.....	23,146 96
Plumbing.....	200 00
Restoring walk over water-main.....	828 68
Sod.....	105 00
Sundry supplies, tools, etc.....	3,147 91
Taxes.....	1,077 46
Tool-cart.....	45 00
Telephone service.....	167 20
Traveling expenses.....	255 53

Total.....\$31,200 75

## Aqueduct—Repairs, Maintenance and Strengthening, 1889—

Building Keeper's House at Williamsbridge.....	\$2,700 00
Coal.....	3,375 09
Flagging.....	517 20
Ice.....	93 70
Removing material from old reservoir.....	2,852 10

Total.....\$9,938 09

## Boring Examinations for Grading and Sewer Contracts—

Borings, etc., Bradhurst avenue.....	\$773 55
Pay-rolls.....	885 50

Total.....\$1,659 05

## Boulevards, Roads and Avenues, Maintenance of—

Broken stone, etc.....	\$5,598 98
Horse hire.....	180 00
Pay-rolls.....	33,594 98
Rent of yard.....	900 00
Repairing sprinklers and rollers.....	86 79
Sundry supplies, tools, etc.....	567 04
Telephone service.....	33 79

Total.....\$40,961 54

## Boulevards, Roads and Avenues, Maintenance of, 1889—

Gravel.....	\$796 50
-------------	----------

## Bronx River Works—Maintenance and Repairs—

Blacksmithing.....	\$89 11
Pay-rolls.....	6,099 00
Taxes.....	39 00

Total.....\$6,227 11

## Bronx River Works—Maintenance and Repairs, 1889—

Stone.....	\$750 00
------------	----------

## Contingencies—Department of Public Works—

Horse hire.....	\$270 00
Incidental expenses.....	300 00
Postage.....	200 00
Traveling expenses.....	8 15

Total.....\$778 15

## Flagging Sidewalks and Fencing Vacant Lots, etc.—

Pay-rolls.....	\$45 50
Repairing sidewalks.....	36 97

Total.....\$82 47

## Free Floating Baths—Care and Maintenance—

Gas-fitting.....	\$110 41
Glazing.....	23 23
Recovering anchors.....	250 00
Repairing baths.....	5,105 00
Sundry supplies.....	835 95
Traveling expenses.....	9 98
Wharfage.....	966 00

Total.....\$7,300 57

## Lamps and Gas and Electric Lighting—

Gas examinations.....	\$390 00
Gas governors.....	600 00
Horse hire.....	290 00
Lamps.....	5,515 88
Lamp-posts, etc.....	1,179 47
Lighting public offices.....	11,114 88
“ streets.....	148,973 98
Pay-rolls.....	794 50
Rent of Photometrical Rooms.....	240 00
Street-signs.....	235 50

Total.....\$169,334 21

## Laying Croton Pipes—

Horse hire.....	\$567 00
Laying pipes.....	19,162 75
Lumber.....	328 52
Protecting gas-mains.....	869 91
Setting hydrants and stop-cocks.....	529 75
Stop-cocks, hydrants, etc.....	6,225 00
Traveling expenses.....	62 19

Total.....\$27,745 12

## Laying Croton Pipes, 1889—

Laying pipe.....	\$6,637 28
Protecting gas-mains.....	21 41

Total.....\$6,658 69

## Public Buildings—Construction and Repairs—

Armory, Second Battery.....	\$460 44
“ Troop “A”.....	60 00
“ Seventh Regiment.....	639 00
“ Seventy-first Regiment.....	155 00
“ Signal Corps.....	26 41
Bridge over Fourth avenue, at Forty-first street.....	234 49
Brown-stone Building.....	719 48
Bureau Repairs and Supplies.....	738 18
City Hall.....	278 11
City Prison.....	13 00
Court, First District, Civil.....	36 81
“ Fifth “.....	13 49
“ Ninth “.....	28 50

## Public Buildings—Construction and Repairs—

Court, Second District Police.....	\$18 02
“ Third “.....	23 15
Court-house, County.....	1,363 19
“ Seventh District.....	4 05
County Jail.....	62 25
Dog Pound.....	37 36
Hall of Records.....	1,482 08
Market, Centre.....	36 77
“ Clinton.....	133 35
“ Essex.....	123 85
“ Fulton.....	79 39
“ Jefferson.....	61 81
“ Tompkins.....	272 78
“ West Washington.....	194 60
No. 27 Chambers street.....	4 62
No. 31 “.....	147 02
No. 49 Beekman street.....	65 76
No. 448 West One Hundred and Forty-sixth.....	70 00
One Hundred and Fifty-first street, near Tenth avenue.....	65 00
Stewart Building.....	169 27
Staats Zeitung Building.....	44 67
One Hundredth Street Yard.....	75 00
Pay-rolls.....	3,143 50
Traveling expenses.....	36 60

Total.....\$11,117 00

## Public Drinking-hydrants, 1889—

Repairing hydrants.....	\$662 08
-------------------------	----------

## Removing Obstructions in Streets and Avenues—

Pay-rolls.....	\$1,248 99
Removing obstructions, etc.....	4,669 50
“ telegraph poles, etc.....	4,320 50
“ trees.....	269 50
Traveling expenses.....	195 15

Total.....\$10,703 64

## Repairing and Renewal of Pipes, Stop-cocks, etc.—

Changing taps, etc.....	\$87 20
Connecting mains.....	358 60
Lead, lead-pipe, etc.....	1,353 03
Meters.....	2,456 00
Pay-rolls.....	40,013 40
Repairing meters.....	76 50
Restoring pavement.....	115 50
Setting meters, etc.....	1,156 66
Stop-cocks, hydrants.....	9,814 45
Sundry supplies, tools, etc.....	1,036 98
Telephone service.....	29 55
Traveling expenses.....	18 51

Total.....\$59,516 38

## Repairing and Renewal of Pipes, Stop-cocks, etc., 1889—

Cast-iron pipe, etc.....	\$6,974 25
Laying pipe over bridge.....	448 85
Sundry supplies.....	273 26

Total.....\$7,696 36

## Repairs and Renewal of Pavements and Regrading—

Cement.....	\$588 33
Cutting paving-blocks.....	125 00
Horse hire.....	370 50
Pay-rolls.....	49,478 10
Rent of yard.....	62 50
Repairing tools.....	317 70
Sundry supplies, tools, etc.....	690 55
Traveling expenses.....	60 90

Total.....\$51,693 58

## Repairs and Renewal of Pavements and Regrading, 1889—

Breaking stone.....	\$100 00
Relaying pavement.....	13,877 85
Stone.....	548 06

Total.....\$14,525 91

## Repaving (Chapter 346, Laws of 1889)—

Horse hire.....	\$180 00
Pay-rolls.....	5,568 71
Surveyors' instruments, etc.....	162 15
Traveling expenses.....	13 90

Total.....\$5,924 76

## Repaving (Chapter 346, Laws of 1889), 1889—

Boulevard, between Fifty-ninth and Seventy-ninth streets.....	\$34,580 00
Broad street, between Exchange place and Pearl street.....	12,187 00
Cedar street, between Broadway and Greenwich street.....	10,329 59
Cliff street, between Ferry and John streets.....	7,252 00
Laight street, between Canal and Greenwich streets.....	18,218 21
Leonard street, between Broadway and Hudson street.....	14,136 24
Lexington avenue, between Twenty-first and Thirty-second streets, etc.....	34,860 00
Forty-third street, between Madison and Fifth avenues.....	21,525 70

Total.....\$153,088 74

## Repaving Streets and Avenues—

Horse hire.....	\$90 00
Cherry street, between Clinton and Jefferson streets.....	3,767 66
Seventy-second street, between Second and Third avenues.....	5,512 50

Total.....\$9,370 16

## Repaving Streets and Avenues, 1889—

Hudson street, between Beach and Spring streets.....	\$16,012 50
Little West Twelfth street, between Ninth and Tenth avenues.....	575 67
Madison avenue, between Thirty-second and Thirty-third streets, etc.....	21,929 60
Madison avenue, between Thirty-third and Thirty-sixth streets, etc.....	22,161 35
Perry street, between Waverly place and West Fourth street.....	447 83
Scammel street, between Water street and East Broadway.....	152 30
Wall street, between Broadway and Nassau street.....	3,803 80
Thirty-seventh street, between First avenue and 109 feet East.....	36 10

Total.....\$65,119 15

## Retaining-wall in East Fifty-first street, and in East Forty-second street—

Pay-rolls.....	\$244 00
----------------	----------

## Roads, Streets and Avenues, Unpaved, Maintenance, etc.—

Pay-rolls.....	\$5,423 85
Tools and supplies.....	116 07

Total.....\$5,539 92



## Sewers—Repairing and Cleaning—

Basin and manhole heads.....	\$995 02
Cleaning sewers.....	13,619 29
Horse hire.....	455 00
Iron grating.....	47 60
Map.....	52 00
Pay-rolls.....	19,067 62
Repairing tools, etc.....	143 63
Repairing sewers.....	1,305 55
Sundry supplies, tools, etc.....	1,350 64
Stone.....	126 80
Traveling expenses.....	327 85
Total.....	\$37,491 00

## Sewers—Repairing and Cleaning, 1889—

Repairing sewers.....	\$9,114 51
-----------------------	------------

## Supplies for and Cleaning Public Offices—

Armory—Signal Corps.....	\$45 00
Board of Aldermen.....	25 83
Board of Civil Service.....	10 50
Bureau of Repairs and Supplies.....	2,656 32
Brown-stone Building.....	289 99
City Hall.....	700 45
Court, Civil, First District.....	6 00
“ “ Second “.....	10 00
“ “ Fifth “.....	32 70
“ “ Seventh “.....	67 50
“ “ Ninth “.....	363 93
“ “ Tenth “.....	65 50
“ Police, Third District.....	3 50
“ “ Fourth “.....	74 12
“ City.....	50 50
“ Common Pleas.....	20 00
“ General Sessions.....	47 00
“ Supreme.....	50 25
Court-house, County.....	1,488 50
Office, Commissioners of Accounts.....	22 02
“ District Attorney.....	77 01
“ Department of Finance.....	103 85
“ “ Public Works.....	104 90
“ “ Taxes and Assessments.....	115 20
“ Register.....	121 35
“ Recorder.....	67 70
Pay-rolls.....	19,291 75
Total.....	\$25,911 37

## Supplies for and Cleaning Public Offices, 1889—

Coal.....	\$4,466 83
-----------	------------

## Street Improvements for Surveying, Monumenting, etc.—

Map.....	\$52 00
Pay-rolls.....	581 00
Resetting monument.....	20 00
Total.....	\$653 00

## Water Supply for the Twenty-fourth Ward—

Supply of Water.....	\$1,814 23
----------------------	------------

## Water Supply for the Twenty-fourth Ward, 1889—

Supply of Water.....	\$380 80
----------------------	----------

## TRUST ACCOUNTS.

## Criminal Court-house Fund—

Pay-rolls.....	\$840 50
Masonry.....	30,750 00
Total.....	\$31,590 50

## Croton Water Fund—

Building Keeper's House at Williamsbridge.....	\$3,799 00
Clerical services.....	754 60
Drawing materials.....	159 72
Horse hire.....	579 28
Oak stakes.....	75 00
Pay-rolls.....	14,892 05
Printing.....	393 15
Rent of mill seat.....	300 00
Rent of offices.....	45 00
Repairing instruments.....	56 90
Reservoir near Amawalk.....	21,078 90
Traveling expenses.....	788 08
Total.....	\$42,921 68

## Fund for Local Improvements—

Regulating, grading.....	\$353 45
--------------------------	----------

## Fund for Viaduct from St. Nicholas Place to MacComb's Dam Road—

Pay-rolls.....	\$532 00
----------------	----------

## Restoring and Repaving—Special Fund—

Pay-rolls.....	\$2,075 50
Restoring pavements.....	5,508 50
Total.....	\$7,584 00

## Street Improvement Fund—

Curbing and flagging.....	\$15,244 80
Fencing.....	1,070 70
Paving and crosswalks.....	108,586 71
Regulating, grading, etc.....	48,462 56
Sewers.....	50,095 49
Pay-rolls.....	17,623 65
Surveying.....	5,179 71
Total.....	\$246,263 62

## Water-meter Fund, No. 2—

Meters.....	\$3,392 00
Setting meters.....	1,283 48
Total.....	\$4,675 48

## Document “C.”

## STATEMENT OF CONTRACTS.

Contracts Entered into During the Three Months ending June 30, 1890.

Date of Contract.	NATURE AND LOCATION OF WORK.	CONTRACTOR.	SURETIES.	ESTIMATED COST.
1890.	<i>Sewer Contracts.</i>			
Apr. 1	Sewer in One Hundred and Twenty-fourth street, between Ninth and Tenth avenues.....	W. J. Murray, 70 East 80th street..	Sarah Murray, 1041 Madison avenue John C. Lee, 248 West 127th street James F. Dolan, 309 East 109th street. B. Mahon, 2293 Seventh avenue. Sarah Murray, 1041 Madison avenue W. J. Murray, 1041 Madison avenue	\$3,424 60
“ 2	Extension of sewer outlet in Eleventh street, at East river....	W. J. Ford, Stewart Building....		4,323 00
“ 22	Sewer in One Hundredth street, between Fourth and Madison avenues.....	W. H. Trainer, 1041 Madison avenue	Sarah Murray, 1041 Madison avenue W. J. Murray, 1041 Madison avenue	2,176 75
“ 22	Sewer in Seventy-eighth street, between Boulevard and West End avenue, and receiving-basin southeast corner Seventy-eighth street and West End avenue....	W. H. Trainer, 1041 Madison avenue	Sarah Murray, 1041 Madison avenue W. J. Murray, 1041 Madison avenue	1,955 75
“ 23	Sewer in Boulevard, east side, between One Hundred and Twelfth and One Hundred and Thirteenth streets, and in One Hundred and Thirteenth street, between Boulevard and Tenth avenue.....	John A. Devlin, 552 East 140th street.	James Rogers, Foot West 132d street George W. Raymond, 602 East 141st street	10,926 00
May 1	Sewers in West street, between Carlisle and Dey streets, with outlet through Pier 13, North river, and alterations and improvements to existing sewers in Albany, Cedar, Liberty and Cortlandt streets....	Patrick Kearns, 668 East 143d street.	Patrick Sheehy, 249 East 83d street.. Thomas Regan, 719 Lexington ave..	33,505 00
“ 5	Sewer in One Hundred and Fifty-sixth street, between Tenth avenue and Avenue St. Nicholas....	John A. Devlin, 552 East 140th street	Thomas Guilfoyle, 2447 Third avenue.. C. Strattner, 548 Courtland ave...	1,112 40
“ 5	Sewer in Seventh avenue, west side, between One Hundred and Forty-first and One Hundred and Forty-second streets, etc.....	John A. Devlin, 552 East 140th street	Thomas Guilfoyle, 2447 Third avenue.. C. Strattner, 548 Courtland ave...	4,280 50
“ 14	Sewer in Washington street, between Beach and North Moore streets..	Edward Kenny, 342 West 18th street.	John Murray, 2349 Tenth avenue.. L. J. Fitzpatrick, 102 West 127th street	1,013 75
“ 15	Sewer in One Hundred and Forty-third street, between Eighth and Bradhurst avenues.....	Wm. F. Cunningham, 320 East 83d street...	William Lyman, 51 East 122d street.. Cornelius Keegan, 551 West 53d street. G. N. Manchester, 417 East 126th street L. B. Lynch, 19 E. Houston street	1,615 00
“ 15	Sewer in Ninetieth street, between Avenue A and Second avenue....	M. J. Slodon, 2397 Third avenue..	Sarah Murray, 1041 Madison avenue W. J. Murray, 1041 Madison avenue Sarah Murray, 1041 Madison avenue W. J. Murray, 1041 Madison avenue	12,339 75
“ 17	Sewer in One Hundred and Third street, between Boulevard and West End avenue.....	W. H. Trainer, 1041 Madison avenue		3,402 79
“ 17	Sewer in Madison avenue, between One Hundred and Sixteenth and One Hundred and Seventeenth streets.....	W. H. Trainer, 1041 Madison avenue		3,816 60
“ 21	Alteration and improvement to sewers in Eighth avenue, between One Hundred and Twenty-fourth and One Hundred and Thirty-seventh streets, and connections with present sewers in One Hundred and Twenty-Sixth, One Hundred and Twenty-seventh, One Hundred and Twenty-eighth, One Hundred and Thirty-third, One Hundred and Thirty-fourth, One Hundred and Thirty-fifth and One Hundred and Thirty-sixth streets.....	Joseph Moore, 170 East 89th street.	John McQuade, 1338 Lexington ave.. Peter McGinness, 1048 Park avenue...	30,326 25
“ 21	Sewers in West street, between Dey and Murray streets, with outlet through Pier 14, North river, and alterations and improvements to existing sewers in Dey, Fulton, Vesey and Barclay streets, and Park place.....	Joseph Moore, 170 East 89th street.	Peter Somers, 158 East 82d street.. John McQuade, 1338 Lexington ave..	37,401 00
June 9	Sewers in One Hundred and Seventieth street, between Tenth avenue and Kingsbridge road, and in Kingsbridge road, east side, between One Hundred and Seventieth and One Hundred and Seventy-third streets.....	Leslie & Co., 483 East 152d street.	J. W. Powers, 34 Mt. Morris avenue William Greene, Jr., 214 East 125th street	17,686 50
“ 12	Sewers in Fifth avenue, between One Hundred and Thirty-sixth and One Hundred and Thirty-seventh streets, and in One Hundred and Thirty-seventh street, between Fifth and Sixth avenues, with alterations and improvements to existing sewer in Fifth avenue, between One Hundred and Thirty-fifth and One Hundred and Thirty-sixth streets.....	M. Gavin, 571 Third avenue...	Samuel A. Thompson, 1488 Third avenue.. James Fay, 169 East 90th street..	9,730 00
“ 27	Repairs to sewer in Boulevard, west side, between Eighty-fourth and Eighty-fifth streets.....	Edward Kenny, 342 West 18th street.	John Murray, 2349 Tenth avenue.. Alex. J. Shields, 127 Ninth avenue...	1,030 00
	<i>Regulating and Grading, etc., Contracts.</i>			\$180,065 64
Apr. 4	Flagging, etc., east side Second avenue, from One Hundredth to One Hundred and First street, and south side One Hundredth street, from First to Second avenue.....	Thomas F. Murray, 2349 Tenth avenue..	John Ryan, 129th street, bet. 11th and 12th avenues.. John Murray, 2349 Tenth avenue.. John Ryan, 129th street, bet. 11th and 12th avenues.. John Murray, 2349 Tenth avenue.. Patrick Larney, 325 East 83rd street.. J. L. Schofield, Kingsbridge road, near Boston road..	\$2,319 00
“ 4	Flagging, etc., north side One Hundred and Fifth street and south side One Hundred and Sixth street, between Ninth and Tenth avenues	Thomas F. Murray, 2349 Tenth avenue..		2,242 52
“ 5	Regulating and grading One Hundred and First street, from First to Second avenue.....	M. Gavin.....		2,167 14
“ 7	Flagging, etc., the block bounded by Madison and Park avenues, One Hundred and Nineteenth and One Hundred and Twentieth streets.....	John R. Anderson, 833 Lexington ave...	Timothy Mahoney, 340 East 86th street.. Samuel Smyth, 405 East 61st street..	1,443 76
“ 7	Flagging, etc., both sides of Morris street, from Broadway to West street.....	John R. Anderson, 833 Lexington ave...	Timothy Mahoney, 340 East 86th street.. Samuel Smyth, 405 East 61st street.. Nicholas Cotter, 630 East 138th street John Cotter, 630 East 138th street Albert Hoffman, 140 West 137th street C. G. Meyer, 320 East 57th street.	2,103 20
“ 9	Regulating and grading One Hundred and Forty-fifth street, from Sixth avenue to Harlem river...	Rody McLaughlin, 363 Brook avenue....		1,445 89
“ 10	Regulating and grading One Hundred and Twenty-third street, from Tenth avenue to Boulevard.	M. Fortunato, 529 West 146th street		10,815 00
“ 10	Rebuilding retaining-wall and stairway across Fifty-first street, 80 feet east of east house-line of Beekman place.....	M. Fortunato, 529 West 146th street	Albert Hoffman, 140 West 137th street C. G. Meyer, 320 East 57th street.	6,664 75
“ 15	Regulating and grading One Hundred and Forty-second street, from Eighth avenue to first new avenue west of Eighth avenue....	Thomas F. Murray, 2349 Tenth avenue..	John Murray, 2349 Tenth avenue.. John Ryan, 129th street, bet. 11th and 12th aves....	2,247 59
May 5	Flagging, etc., Eightieth street, from West End avenue to Riverside Drive.....	Patrick McInerney, 214 East 85th street.	John Fleming, 175 East 82d street.. Charles McGinnis, 127 Broome street..	570 00



Date of Contract.	NATURE AND LOCATION OF WORK.	CONTRACTOR.	SURETIES.	ESTIMATED COST.	Date of Contract.	NATURE AND LOCATION OF WORK.	CONTRACTOR.	SURETIES.	ESTIMATED COST.	
1890. May 5	Flagging, etc., north side Ninetieth street, from Madison to Park avenue.....	Patrick McInerney, 214 East 85th street.	John Fleming, 175 East 82d street.. Charles McGinnis, 127 Broome street...	\$395 33	1890. Apr. 3	Paving with granite blocks Ninety-second street, from West End avenue to Boulevard.....	William F. Cunningham, 320 East 83d street..	William Lyman, 51 East 122d street... Patrick Sheehy, 146 East 87th street..	\$3,623 75	
" 5	Flagging, etc., One Hundredth street, from Ninth to Tenth avenue.....	Patrick McInerney, 214 East 85th street.	John Fleming, 175 East 82d street.. Charles McGinnis, 127 Broome street...	317 51	" 3	Paving with granite blocks Seventieth street, from Eighth to Ninth avenue.....	William F. Cunningham, 320 East 83d street..	William Lyman, 51 East 122d street... Patrick Sheehy, 146 East 87th street..	8,801 10	
" 5	Flagging, etc., east side Seventh avenue, from One Hundred and Twenty-first to One Hundred and Twenty-fifth street.....	Patrick McInerney, 214 East 85th street.	John Fleming, 175 East 82d street.. Charles McGinnis, 127 Broome street...	555 76	" 9	Paving with granite blocks Avenue B, from Seventy-ninth to Eighty-sixth street.....	William Kidney..... 166 East 67th street.	M. McGrath, 64 East 106th street.. Patrick McMorow, 413 East 83d street...	37,483 57	
" 5	Flagging, etc., south side One Hundred and Third street, from Lexington to Park avenue, and west side Lexington avenue, from One Hundred and Second to One Hundred and Third street.....	Patrick McInerney, 214 East 85th street.	John Fleming, 175 East 82d street.. Charles McGinnis, 127 Broome street...	327 15	" 11	Paving with granite blocks One Hundred and Thirty-sixth street, from Seventh to Eighth avenue.....	William A. Cumming, Stamford, Conn.....	Alex. Milne, Stamford, Conn..... Julius A. Candee, 26th st., East river..	8,177 30	
" 5	Flagging, etc., One Hundred and Thirty-fourth street, from Park to Madison avenue.....	Patrick McInerney, 214 East 85th street.	John Fleming, 175 East 82d street.. Charles McGinnis, 127 Broome street...	394 32	" 16	Paving with asphalt pavement One Hundred and Seventeenth street, from St. Nicholas to Eighth avenue.....	Warren-Scharf Asphalt Paving Co., 81 Fulton street.....	Matthew R. Myers, 55 West 33d street.. Charles Dickinson, 29 East 61st street...	6,746 82	
" 5	Regulating and grading One Hundred and Thirtieth street, from Twelfth avenue to Boulevard.....	John J. Hopper, 113 West 124th street	Isaac A. Hopper, 163 West 122d street.. William E. Dean, 18 West 127th street.. M. McGrath, 64 East 106th street..	4,563 15	" 16	Paving with asphalt pavement One Hundred and Nineteenth street, between Seventh and St. Nicholas avenues.....	Warren-Scharf Asphalt Paving Co., 81 Fulton street.....	Matthew R. Myers, 55 West 33d street.. Charles Dickinson, 29 East 61st street...	5,007 62	
" 7	Flagging, etc., Eighty-fourth street, from West End avenue to Riverside Drive.....	A. E. Moran, 1302 Second avenue.	D. W. Moran, 219 East 71st street.	1,444 47	" 16	Paving with asphalt pavement One Hundred and Thirty-fourth street, from St. Nicholas to Eighth avenue.....	Warren-Scharf Asphalt Paving Co., 81 Fulton street.....	Matthew R. Myers, 55 West 33d street.. Charles Dickinson, 29 East 61st street...	3,426 00	
" 7	Flagging, etc., west side Ninth avenue, from Eighty-fourth to Eighty-fifth street, and south side Eighty-fifth street, from Ninth avenue, West.....	A. E. Moran, 1302 Second avenue.	M. McGrath, 64 East 106th street.. D. W. Moran, 219 East 71st street.	580 50	" 16	Paving with asphalt pavement One Hundred and Twentieth street, between Seventh and Eighth avenues.....	Warren-Scharf Asphalt Paving Co., 81 Fulton street.....	Matthew R. Myers, 55 West 33d street.. Charles Dickinson, 29 East 61st street...	3,982 50	
" 7	Flagging, etc., west side Fifth avenue, from One Hundred and Sixteenth to One Hundred and Eighteenth street; east side Fifth avenue, from One Hundred and Twenty-seventh to One Hundred and Twenty-eighth street, and south side One Hundred and Twenty-eighth street, from Madison to Fifth avenue.....	A. E. Moran, 1302 Second avenue.	M. McGrath, 64 East 106th street.. D. W. Moran, 219 East 71st street..	493 16	" 16	Paving with asphalt pavement One Hundred and Thirty-fourth street, between St. Nicholas and Eighth avenues.....	Warren-Scharf Asphalt Paving Co., 81 Fulton street.....	Matthew R. Myers, 55 West 33d street.. Charles Dickinson, 29 East 61st street...	3,459 78	
" 7	Flagging, etc., both sides Seventieth street, from First avenue to East river.....	Thomas J. Dunn, 321 East 68th street.	Timothy Mahoney, 340 East 86th street.. Samuel Smyth, 405 East 61st street..	5,298 46	" 16	Paving with asphalt pavement One Hundred and Sixth street, between Eighth avenue and Boulevard.....	Warren-Scharf Asphalt Paving Co., 81 Fulton street.....	Matthew R. Myers, 55 West 33d street.. Charles Dickinson, 29 East 61st street...	47,095 68	
" 7	Flagging, etc., west side Park avenue, from One Hundred and Sixteenth to One Hundred and Eighteenth street.....	Thomas J. Dunn, 321 East 68th street.	Timothy Mahoney, 340 East 86th street.. Samuel Smyth, 405 East 61st street..	667 51	" 16	Paving with granite blocks Sixty-ninth street, from Eighth to Ninth avenue.....	Michael Fitzgerald, 534 West 35th street	Samuel Booth, 350 West 33d street.. Patrick Keating, 548 West 38th street..	9,050 45	
" 13	Flagging, etc., south side Seventy-second street, from First avenue to Avenue A.....	Thomas F. McDonald, 1458 Second avenue.	J. F. McDonald, 229 East 62d street.. Terence Kiernan, 317 East 83d street..	545 50	" 19	Paving with granite blocks Eightieth street, from Boulevard to West End avenue.....	Michael Fitzgerald, 534 West 35th street	Samuel Booth, 350 West 33d street.. Patrick Keating, 548 West 38th street..	3,225 00	
" 16	Regulating and grading One Hundred and Forty-ninth street, from Tenth avenue to Western Boulevard.....	William G. Leeson, 2271 Seventh avenue.	F. Grasmuck, 226 Edgecombe ave.. Thomas J. O'Kane, 314 West 133d street.	14,259 52	" 19	Paving with granite blocks One Hundred and Fourteenth street, from Eighth to New avenue.....	F. Thilemann, Jr., 119 East 122d street.	Charles W. Dayton, 9 West 124th street.. C. G. Rapp, 107 West 131st street	4,219 20	
" 19	Flagging, etc., Seventy-eighth street, from Tenth avenue to Boulevard.....	Michael Fay, 308 East 52d street..	James Fay, 169 East 90th street.. Hugh Campbell, 344 East 48th street..	406 68	" 19	Paving with granite blocks One Hundred and Nineteenth street, from Eighth to Manhattan avenue.....	F. Thilemann, Jr., 119 East 122d street.	Charles W. Dayton, 9 West 124th street.. C. G. Rapp, 107 West 131st street	4,104 80	
June 4	Flagging, etc., west side Boulevard, from Sixty-fifth to Sixty-sixth street.....	A. E. Moran, 1302 2d avenue.....	D. W. Moran, 219 East 71st street.. M. McGrath, 64 East 106th street..	289 22	" 28	Paving with asphalt pavement Seventy-third street, from West End avenue to Boulevard.....	Sicilian Asphalt Paving Co., Times Building.....	Howard Carroll, Pier 18, North river.. Joseph McGillicuddy, 604 West 48th street..	3,824 52	
" 5	Flagging, etc., Seventieth street, from Tenth to West End avenue.....	Michael Fay, 308 East 52d street..	James Fay, 169 East 90th street.. Hugh Campbell, 344 East 48th street..	1,263 00	May 23	Paving with granite blocks Fifty-third street, from Tenth to Eleventh avenue.....	F. Thilemann, Jr., 119 East 122d street.	John Pierce, 531 Fifth avenue..... M. Larkin, 338 East 15th street..	4,163 30	
" 5	Flagging, etc., south side Eighty-first street, from Ninth to Tenth avenue.....	Michael Fay, 308 East 52d street..	James Fay, 169 East 90th street.. Hugh Campbell, 344 East 48th street..	393 92	June 11	Paving with granite blocks Eighty-ninth street, from Boulevard to Riverside Drive.....	James Pollock, 239 East 128th street.	John Pierce, 531 Fifth avenue..... M. Larkin, 338 East 15th street..	9,244 01	
" 5	Flagging, etc., Eighty-first street, from Tenth avenue to Boulevard.....	Michael Fay, 308 East 52d street..	James Fay, 169 East 90th street.. Hugh Campbell, 344 East 48th street..	789 07	" 11	Paving with granite blocks Sixty-ninth street, from West End avenue to line of Hudson River Railroad.....	James Pollock, 239 East 128th street.	John Pierce, 531 Fifth avenue..... M. Larkin, 338 East 15th street..	4,649 40	
" 5	Flagging, etc., west side Pleasant avenue, from One Hundred and Nineteenth to One Hundred and Twenty-first street.....	Michael Fay, 308 East 52d street..	James Fay, 169 East 90th street.. Hugh Campbell, 344 East 48th street..	392 01	" 11	Paving with granite blocks Ninety-sixth street, from Tenth avenue to Boulevard.....	James Pollock, 239 East 128th street.	John Pierce, 531 Fifth avenue..... M. Larkin, 338 East 15th street..	4,988 10	
" 10	Regulating and grading One Hundred and Eleventh street, from Fifth to Sixth avenue.....	John J. Farley, 1990 Madison avenue	Thomas J. Dunn, 321 East 68th street.. J. C. Lyons, 67 East 127th street..	1,807 70	" 11	Paving with granite blocks One Hundred and Eighteenth street, from Eighth avenue to Morningside Park road.....	James Pollock, 239 East 128th street.	John Pierce, 531 Fifth avenue..... M. Larkin, 338 East 15th street..	7,161 00	
" 10	Regulating and grading One Hundred and Fortieth street, from Seventh to Eighth avenue.....	John J. Farley, 1990 Madison avenue	Thomas J. Dunn, 321 East 68th street.. J. C. Lyons, 67 East 127th street..	3,562 90	" 11	Paving with granite blocks One Hundred and First street, from Eighth avenue to Boulevard (except from Ninth to Tenth avenue).....	James Pollock, 239 East 128th street.	John Pierce, 531 Fifth avenue..... M. Larkin, 338 East 15th street..	11,483 75	
" 13	Flagging, etc., north side Eighty-sixth street, from First to Second avenue.....	M. Gavin, 571 Third avenue...	Patrick Larney, 325 East 38th street.. J. L. Schofield, West Farms.....	423 41	Paving Contracts under Chapter 449, Laws of 1889.					\$241,251 68
" 13	Flagging, etc., northeast corner West Broadway and Walker street.....	Thomas J. Dunn, 321 East 68th street.	Timothy Mahoney, 340 East 86th street.. Samuel Smyth, 405 East 61st street..	495 30	May 16	Paving with granite blocks Washington street, from Clarkson to Spring street.....	John G. Smith, 329 West 48th street.	William Kelly, 444 West 51st street.. James Fitzpatrick, 529 West 42d street..	\$16,272 40	
" 13	Flagging, etc., Fifteenth street, from Avenue A to Avenue B.....	Thomas J. Dunn, 321 East 68th street.	Timothy Mahoney, 340 East 86th street.. Samuel Smyth, 405 East 61st street..	784 50	" 16	Paving with granite blocks Fifteenth street, from Tenth avenue to Hudson river.....	John G. Smith, 329 West 48th street.	William Kelly, 444 West 51st street.. James Fitzpatrick, 529 West 42d street..	13,715 00	
" 13	Flagging, etc., Eighty-fourth street, from Eighth to Ninth avenue.....	Thomas J. Dunn, 321 East 68th street.	Timothy Mahoney, 340 East 86th street.. Samuel Smyth, 405 East 61st street..	1,006 96	" 27	Paving with granite blocks Twentieth street, from Tenth avenue to Hudson river.....	M. Fitzgerald, 534 West 35th street.	John Bosen, 405 West 56th street.. Patrick Keating, 505 Tenth avenue...	17,680 26	
" 13	Flagging, etc., Eighty-sixth street, from Eighth avenue to Riverside Drive.....	Thomas J. Dunn, 321 East 68th street.	Timothy Mahoney, 340 East 86th street.. Samuel Smyth, 405 East 61st street..	5,224 50	" 28	Paving with granite blocks Houston street, from Washington to West street.....	John Cox, 791 Herkimer street, Brooklyn, N. Y. ...	John Devlin, 2 Cortlandt street... John Regan, 68 Park place.....	4,647 65	
" 13	Flagging, etc., Ninety-seventh street, north side, from Third to Park avenue.....	Thomas J. Dunn, 321 East 68th street.	Timothy Mahoney, 340 East 86th street.. Samuel Smyth, 405 East 61st street..	907 64	" 28	Paving with granite blocks Leroy street, from Washington to West street.....	John Cox, 791 Herkimer street, Brooklyn, N. Y. ...	John Devlin, 2 Cortlandt street... John Regan, 68 Park place.....	2,988 25	
" 13	Flagging, etc., One Hundred and Twenty-fifth street, from Eighth to St. Nicholas avenue.....	Thomas J. Dunn, 321 East 68th street.	Timothy Mahoney, 340 East 86th street.. Samuel Smyth, 405 East 61st street..	363 50	" 28	Paving with granite blocks Bank street, from West to Washington street.....	John Cox, 791 Herkimer street, Brooklyn, N. Y. ...	John Devlin, 2 Cortlandt street... John Regan, 68 Park place.....	4,721 40	
" 13	Flagging, etc., One Hundred and Thirty-third street, from Seventh to Eighth avenue.....	Thomas J. Dunn, 321 East 68th street.	Timothy Mahoney, 340 East 86th street.. Samuel Smyth, 405 East 61st street..	1,015 32	" 28	Paving with granite blocks Little West Twelfth street, from Washington to West street.....	John Cox, 791 Herkimer street, Brooklyn, N. Y. ...	John Devlin, 2 Cortlandt street... John Regan, 68 Park place.....	1,995 00	
" 13	Flagging, etc., Madison avenue, from One Hundred and Thirty-fifth to One Hundred and Thirty-seventh street.....	Thomas J. Dunn, 321 East 68th street.	Timothy Mahoney, 340 East 86th street.. Samuel Smyth, 405 East 61st street..	1,557 80	" 28	Paving with granite blocks Sixteenth street, from Tenth avenue to Hudson river.....	John Cox, 791 Herkimer street, Brooklyn, N. Y. ...	John Devlin, 2 Cortlandt street... John Regan, 68 Park place.....	13,903 75	
" 13	Flagging, etc., west side Eighth avenue (Central Park, west), from Ninety-fourth to Ninety-eighth street.....	Thomas J. Dunn, 321 East 68th street.	Timothy Mahoney, 340 East 86th street.. Samuel Smyth, 405 East 61st street..	1,226 44	Repaving Contracts.					\$75,923 71
" 13	Flagging, etc., north side One Hundred and Thirtieth street, from Seventh to Eighth avenue, and east side Eighth avenue, from One Hundred and Thirtieth to One Hundred and Fourteenth street.....	Thomas J. Dunn, 321 East 68th street.	Timothy Mahoney, 340 East 86th street.. Samuel Smyth, 405 East 61st street..	742 30	Apr. 23	Paving with granite blocks Cherry street, from Clinton to Jefferson street.....	John G. Smith, 329 West 48th street.	William Kelly, 444 West 51st street.. John F. Moore, 220 West 105th street	\$3,937 50	
Paving Contracts—Assessment Work.				\$84,549 36	" 23	Paving with granite blocks Seventy-second street, from Second to Third avenue.....	John G. Smith, 329 West 48th street.	John F. Moore, 220 West 105th street	9,102 50	
Apr. 2	Paving with granite blocks Sixty-fifth street, from Tenth avenue to Boulevard.....	William Kelly, 444 West 51st street.	Henry Kelly, 424 West 42d street.. B. F. Kenney, 455 West 47th street.	\$7,180 84	May 14	Paving with granite blocks Harrison street, from Hudson to Washington street, and Desbrosses street, from Hudson to Greenwich street.....	John G. Smith, 329 West 48th street.	William Kelly, 444 West 51st street.. James Fitzpatrick, 529 West 42d street..	16,828 60	
" 2	Paving with granite blocks Sixty-sixth street, from Eighth to Ninth avenue.....	William Kelly, 444 West 51st street.	Henry Kelly, 424 West 42d street.. B. F. Kenney, 455 West 47th street.	8,962 15	" 15	Paving with granite blocks South William street, from William to Broad street, and William street, from Broad to Frankfort street.....	Thomas Gearty, 135 East 83d street..	P. H. McCullagh, 153 East 84th street.. Thomas Smith, 152 East 84th street..	25,477 50	
" 2	Paving with granite blocks Seventy-seventh street, from Boulevard to Riverside Drive.....	William Kelly, 444 West 51st street.	Henry Kelly, 424 West 42d street.. B. F. Kenney, 455 West 47th street.	8,683 50	" 15	Paving with granite blocks Catharine street, from Division to Cherry street.....	William Kelly, 444 West 51st street.	John G. Smith, 329 West 48th street.. Thomas Smith, 152 East 84th street..	14,900 00	
" 2	Paving with granite blocks Seventy-eighth street, from Boulevard to Riverside Drive.....	William Kelly, 444 West 51st street.	Henry Kelly, 424 West 42d street.. B. F. Kenney, 455 West 47th street.	7,656 00	" 15	Paving with granite blocks Greenwich street, from Chambers to Canal street.....	William Kelly, 444 West 51st street.	John G. Smith, 329 West 48th street.. Thomas Smith, 152 East 84th street..	49,031 00	



Date of Contract.	NATURE AND LOCATION OF WORK.	CONTRACTOR.	SURETIES.	ESTIMATED COST.	Date of Contract.	NATURE AND LOCATION OF WORK.	CONTRACTOR.	SURETIES.	ESTIMATED COST.
1890.					1890.				
May 19	Paving with asphalt pavement Fifty-eighth street, from Fifth to Sixth avenue; Sixtieth street, from Lexington to Fourth avenue; Hanover street, from Pearl street to Exchange place; Exchange place, from Hanover to William street, and William street, from Beaver to Wall street.....	Barber Asphalt Paving Co., 1 Broadway....	James D. Leary, 43 East 25th street.. John P. Ryan, 81st st. and 8th ave..	\$31,810 50	Apr. 21	Flagging, etc., west side Eighth avenue, from One Hundred and Forty-third to One Hundred and Forty-fourth street.....	George F. Masterson, 63 West 95th street..	Terence A. Smith, 162 East 36th street..	\$70 30
" 19	Paving with asphalt pavement Thirty-seventh street, from Fourth to Sixth avenue; and Thirty-eighth street, from Fifth to Sixth avenue.	Barber Asphalt Paving Co., 1 Broadway....	James D. Leary, 43 East 25th street.. John P. Ryan, 81st st. and 8th ave..	34,058 00	" 21	Flagging, etc., south side North Moore street, from West Broadway to Varick street.....	George F. Masterson, 63 West 95th street..	Terence A. Smith, 162 East 36th street..	284 93
" 19	Paving with asphalt pavement Forty-ninth street, from Madison to Sixth avenue; Fiftieth street, from Fourth to Fifth avenue, and Fifty-first street, from Madison to Sixth avenue.....	Barber Asphalt Paving Co., 1 Broadway....	James D. Leary, 43 East 25th street.. John P. Ryan, 81st st. and 8th ave..	44,856 90	" 22	Repairs to sewer in One Hundred and Twenty-second street, between Pleasant avenue and Harlem river.....	W. J. Murray, 154½ East 43d street..	W. H. Trainer, 1041 Madison avenue..	270 00
" 19	Paving with asphalt pavement Fifty-third street, from Madison to Sixth avenue, and Sixty-eighth street, from Third to Fourth avenue.....	Barber Asphalt Paving Co., 1 Broadway....	James D. Leary, 43 East 25th street.. John P. Ryan, 81st st. and 8th ave..	30,241 50	" 25	Laying crosswalk across One Hundred and Sixty-second street, east side Tenth avenue.....	George F. Masterson, 63 West 95th street..	Terence A. Smith, 162 East 36th street..	117 44
" 19	Paving with asphalt pavement Thirty-third street, from Madison avenue to Broadway, and Thirty-sixth street, from Fourth to Sixth avenue.....	Barber Asphalt Paving Co., 1 Broadway....	James D. Leary, 43 East 25th street.. John P. Ryan, 81st st. and 8th ave..	33,884 00	" 25	Laying crosswalk across Kingsbridge road, west side Tenth avenue.....	George F. Masterson, 63 West 95th street..	Terence A. Smith, 162 East 36th street..	238 46
" 19	Paving with asphalt pavement Fifty-fourth street, from Madison to Sixth avenue, and Sixty-ninth street, from Lexington to Fifth avenue.....	Barber Asphalt Paving Co., 1 Broadway....	James D. Leary, 43 East 25th street.. John P. Ryan, 8th ave. and 81st st..	34,786 50	" 25	Laying crosswalk across Mount Morris avenue, north and south sides One Hundred and Twenty-first and One Hundred and Twenty-second streets.....	George F. Masterson, 63 West 95th street..	Terence A. Smith, 162 East 36th street..	529 66
" 23	Paving with granite blocks Pearl street, from Fulton to Oak street, and New Bowery, from Oak street to Chatham square.....	Thomas Gearty, 135 East 83d street..	Thomas Smith, 152 East 84th street.. Timothy Dwyer, 404 East 66th street.. John P. Kane, 14 West 72d street.. Thomas E. Crimmins, 1043 Third avenue.. John P. Kane, 14 West 72d street.. Thomas E. Crimmins, 1043 Third avenue.. John P. Kane, 14 West 72d street.. Thomas E. Crimmins, 1043 Third avenue..	51,340 00	" 25	Laying crosswalk across Edgcombe and Bradhurst avenues, north side One Hundred and Forty-fifth street.....	George F. Masterson, 63 West 95th street..	Terence A. Smith, 162 East 36th street..	176 04
" 26	Paving with granite blocks Park Row, from Frankfort street to and including Chatham Square....	Matthew Baird, 339 East 63d street..	Thomas E. Crimmins, 1043 Third avenue.. John P. Kane, 14 West 72d street.. Thomas E. Crimmins, 1043 Third avenue.. John P. Kane, 14 West 72d street.. Thomas E. Crimmins, 1043 Third avenue..	64,629 00	" 25	Laying crosswalk across first new avenue west of Eighth avenue, north and south sides One Hundred and Forty-fifth street.....	George F. Masterson, 63 West 95th street..	Terence A. Smith, 162 East 36th street..	170 80
" 26	Paving with granite blocks East Broadway, from Chatham Square to Grand street.....	Matthew Baird, 339 East 63d street..	Thomas E. Crimmins, 1043 Third avenue.. John P. Kane, 14 West 72d street.. Thomas E. Crimmins, 1043 Third avenue.. John P. Kane, 14 West 72d street.. Thomas E. Crimmins, 1043 Third avenue..	78,092 50	" 25	Laying a crosswalk across One Hundred and Twenty-fourth street, west side, Park avenue.....	Thomas J. Dunn, 321 East 68th street..	John F. McDonald, 229 East 62d street..	76 73
" 26	Paving with granite blocks Elizabeth street, from Bleeker to Bayard street.....	Matthew Baird, 339 East 63d street..	Thomas E. Crimmins, 1043 Third avenue.. John P. Kane, 14 West 72d street.. Thomas E. Crimmins, 1043 Third avenue.. John P. Kane, 14 West 72d street.. Thomas E. Crimmins, 1043 Third avenue..	45,406 00	" 25	Laying a crosswalk across One Hundred and Twenty-fourth street, east and west sides, Lexington avenue.....	Thomas J. Dunn, 321 East 68th street..	John F. McDonald, 229 East 62d street..	135 13
" 28	Paving with granite blocks Canal street, from Hudson street to Bowery.....	Matthew Baird, 339 East 63d street..	James Everard, Worth House..... John M. Canda, foot West 52d street.. Horace Ripley, 245 Pearl street..... John Devlin, 2 Cortlandt street..... J. E. Ewing, 5 Broadway..... John Devlin, 2 Cortlandt street..	103,072 00	May 2	Flagging, etc., One Hundred and Twelfth street, from Fifth to Lenox avenue.....	Denis McGrath, 35 East 104th street..	V. Del Genovese, 268 Bowery.....	183 06
" 28	Paving with asphalt pavement Eighth avenue, from Thirty-fourth to Fifty-ninth street (except space in and between railroad tracks).....	Matt Taylor Paving Co., 15 State street.....	John Devlin, 2 Cortlandt street..... J. E. Ewing, 5 Broadway..... John Devlin, 2 Cortlandt street..	135,558 00	" 2	Flagging, etc., west side Tenth avenue, from Eighty-seventh to Eighty-eighth street.....	Denis McGrath, 35 East 104th street..	V. Del Genovese, 268 Bowery.....	19 40
" 30	Paving with asphalt pavement Eighth avenue, from Thirtieth to Thirty-fourth street.....	Matt Taylor Paving Co., 15 State street.....	J. E. Ewing, 5 Broadway..... John Devlin, 2 Cortlandt street..	114,464 00	" 2	Flagging, etc., west side Madison avenue, from Ninety-sixth to Ninety-seventh street, and north side Ninety-sixth street, from Madison to Fifth avenue.....	Denis McGrath, 35 East 104th street..	V. Del Genovese, 268 Bowery.....	36 27
Laying Water-main Contract.				\$932,476 00	June 10	Fencing vacant lots on Boulevard, between Eighty-sixth and Eighty-eighth streets.....	F. Thiemann, Jr., 119 West 127th street..	John Slattery, 372 Park avenue....	263 75
May 5	Laying water-mains in Madison, Ryer, Trinity and Union avenues, in Seventy-seventh, Ninetieth, Ninety-second, One Hundred and Third, One Hundred and Fourth, One Hundred and Eighth, One Hundred and Fourteenth, One Hundred and Sixteenth, One Hundred and Twenty-first, One Hundred and Twenty-sixth, One Hundred and Sixty-second and One Hundred and Sixty-fourth streets and in Kirk place.....	John Cornwell, Jr., 111 East 127th street..	Moses Mehrbach, 134 East 77th street.. Sol. Mehrbach, 74 East 54th street..	\$4,757 01	" 10	Fencing vacant lots north side Eighty-fourth street, east of Riverside Drive.....	F. Thiemann, Jr., 119 West 127th street..	John Slattery, 372 Park avenue....	97 00
Miscellaneous Contracts.					" 11	Flagging, etc., west side Madison avenue, from One Hundred and Second to One Hundred and Third street.....	Denis McGrath, 35 East 104th street..	V. Del Genovese, 268 Bowery.....	75 14
Apr. 5	Furnishing materials, etc., in repairing pontoons, painting and repairing work in repairing and painting the roofs of the 14 free floating baths.....	William Minnick, 330 Fourth avenue....	I. O. Shumway, 392 Fourth avenue.. R. Holstein, 387 Fourth avenue.. Lucas Toch, 295 East 10th street.. John Howard, 31 Bowery..... Charles Jones, 257 Alexander ave.. Henry Lipps, 854 East 138th street.. I. O. Shumway, 392 Fourth avenue.. William Minnick, 390 Fourth avenue..	\$4,045 00	" 16	Catch basin, southeast corner Sixty-sixth street and Boulevard.....	William F. Croft, 45 Broadway.....	T. A. Smith, 162 East 36th street.. Timothy Dwyer, 404 East 66th street..	251 50
" 14	Furnishing materials and performing work in repairing and painting the roofs of the 14 free floating baths.....	M. Theriault, 31 Bowery.....	John Howard, 31 Bowery.....	640 00	" 17	Flagging, etc., southwest corner Canal and Mott streets.....	Thomas J. Dunn, 321 East 68th street..	John Slattery, 372 Park avenue....	281 70
" 14	Resurfacing with broken trap-rock and trap-rock screenings One Hundred and Sixteenth street, between Pleasant and Third avenues.....	Martin Lipps, 856 East 138th street..	Charles Jones, 257 Alexander ave.. Henry Lipps, 854 East 138th street.. I. O. Shumway, 392 Fourth avenue.. William Minnick, 390 Fourth avenue..	5,724 50	" 19	Flagging, etc., One Hundred and Forty-first street, from St. Nicholas to Convent avenue.....	George F. Masterson, 63 West 95th street..	John Slattery, 372 Park avenue....	318 54
" 20	Furnishing materials and performing work in repairing and painting the roofs and gutters of the West Washington Market buildings.....	John Flanagan, 392 Fourth avenue..	I. O. Shumway, 392 Fourth avenue.. William Minnick, 390 Fourth avenue..	2,164 00	" 19	Laying crosswalk across Hamilton place, north and south sides One Hundred and Forty-second street.....	George F. Masterson, 63 West 95th street..	John Slattery, 372 Park avenue....	136 50
June 4	Furnishing materials, etc., and performing work in the repairing of the north front of the City Hall with artificial stone, and painting the same.....	Charles Koster, 433 Wythe avenue, Brooklyn, N. Y....	J. H. Doscher, 512 Grand street.... James McGuire, 338 Stanton street..	5,092 80	" 19	Laying crosswalk across Lexington avenue, north side Thirty-second street.....	George F. Masterson, 63 West 95th street..	John Slattery, 372 Park avenue....	152 00
" 5	Furnishing materials, etc., in repairing and bronzing the soldiers' monuments erected by the City of New York in Calvary and Greenwood cemeteries.....	M. Theriault, 31 Bowery.....	John Howard, 31 Bowery..... M. Toch, 35 Bowery.....	670 00	" 19	Laying crosswalk across Hamilton place, north and south sides One Hundred and Forty-third street..	George F. Masterson, 63 West 95th street..	John Slattery, 372 Park avenue....	133 50
" 7	Furnishing materials, etc., in putting up awnings on the windows of buildings and offices in care of Department of Public Works.....	Rehm & Co., 157 Fulton street....	John Brown, 157 Fulton street.... John Boyle, 199 Fulton street....	793 75	" 20	Receiving-basin, southwest corner Seventy-fourth street and Boulevard.....	W. J. Murray, 154½ East 43d street..	John C. Lee, 248 West 127th street..	235 75
Special Contracts.				\$19,130 05	" 20	Receiving-basin, southeast corner Seventy-fourth street and Boulevard.....	W. J. Murray, 154½ East 43d street..	John C. Lee, 248 West 127th street..	254 25
Apr. 7	Flagging, etc., One Hundredth street, from Manhattan to Ninth avenue.....	Thomas J. Dunn, 321 East 68th street..	Samuel Smyth, 405 East 61st street..	\$118 89	" 20	Receiving-basin, southeast corner Sixty-fifth street and Ninth avenue.....	W. J. Murray, 154½ East 43d street..	John C. Lee, 248 West 127th street..	275 00
" 7	Flagging, etc., west side Eighth avenue, from One Hundred and Forty-ninth to One Hundred and Fifty-first street.....	Thomas J. Dunn, 321 East 68th street..	Samuel Smyth, 405 East 61st street..	219 94	" 20	Receiving-basin, southeast corner Sixty-fourth street and Boulevard.....	W. J. Murray, 154½ East 43d street..	John C. Lee, 248 West 127th street..	27 05
" 7	Flagging, etc., north side Ninety-sixth street, from Lexington to Third avenue.....	Thomas J. Dunn, 321 East 68th street..	Samuel Smyth, 405 East 61st street..	240 00	RECAPITULATION.				
" 7	Flagging, etc., west side Tenth avenue, from One Hundred and Forty-ninth to One Hundred and Fiftieth street.....	Thomas J. Dunn, 321 East 68th street..	Samuel Smyth, 405 East 61st street..	232 60	18 Sewer Contracts.....	\$180,065 64			
" 7	Flagging, etc., east side of Tenth avenue, from One Hundred and Forty-fourth to One Hundred and Forty-fifth street.....	Thomas J. Dunn, 321 East 68th street..	Samuel Smyth, 405 East 61st street..	226 57	42 Regulating, Grading, etc., Contracts.....	84,540 36			
" 7	Flagging, etc., north side Ninety-seventh street, from Ninth to Tenth avenue.....	Thomas J. Dunn, 321 East 68th street..	Samuel Smyth, 405 East 61st street..	176 18	27 Paving Contracts.....	244,251 68			
" 7	Flagging, etc., east side Manhattan avenue, from One Hundred and Fourteenth to One Hundred and Fifteenth street.....	Thomas J. Dunn, 321 East 68th street..	Samuel Smyth, 405 East 61st street..	38 84	8 Paving Contracts under Chapter 449, Laws of 1889.....	75,923 71			
" 7	Flagging, etc., south side Thirty-ninth street, from Sixth avenue to Broadway.....	Thomas J. Dunn, 321 East 68th street..	Samuel Smyth, 405 East 61st street..	169 26	19 Repaving Contracts.....	932,476 00			
" 21	Fencing vacant lot, Eighty-fourth and Eighty-fifth streets, Boulevard and Tenth avenue.....	C. J. Giblin, 161 East 72d street..	Patrick Larney, 325 East 38th street..	453 50	1 Laying Water-main Contract.....	4,757 01			
" 21	Fencing vacant lots southeast corner of Tenth avenue and Sixty-eighth street.....	C. J. Giblin, 161 East 72d street..	Patrick Larney, 325 East 38th street..	113 54	7 Miscellaneous Contracts.....	19,130 05			
" 21	Fencing vacant lots north side Sixty-fifth street, 100 feet west of Boulevard.....	C. J. Giblin, 161 East 72d street..	Patrick Larney, 325 East 38th street..	14 54	39 Special Contracts.....	7,494 82			
" 21	Fencing vacant lots south side One Hundred and Thirty-fourth street, between Fifth and Lenox avenues.....	F. Thiemann, Jr., 119 West 127th street..	Jos. Moore, 170 East 89th street..	87 50	Contracts Completed.				
" 21	Flagging, etc., east side Beekman place, from Forty-ninth to Fiftieth street.....	George F. Masterson, 63 West 95th street..	Terence A. Smith, 162 East 36th street..	166 56	DATE.	NATURE.	LOCATION OF WORK.	TOTAL COST.	
Apr. 7	Fencing vacant lots.....	West side Boulevard, from Seventy-third to Seventy-fourth street, north side Seventy-third street and south side Seventy-fourth street, from Boulevard to West End avenue.....	\$296 56		" 7	Furnishing Department of Public Works with 3,200 gross tons egg size Wilkesbarre coal.....	20,755 90		
" 7	Receiving-basins.....	Southeast and southwest corners One Hundred and Forty-sixth street and Eighth avenue.....	551 60		" 7	Receiving-basins.....	Northwest corner One Hundred and Twenty-sixth street and Lexington avenue.....	248 74	
" 12	Receiving-basin.....	South side One Hundred and Tenth street, between Fourth and Madison avenues.....	47 76		" 14	Fencing vacant lots.....	Southwest corner Lexington avenue and Seventy-second street.....	159 58	
" 14	Fencing vacant lots.....	In One Hundred and Fifty-fourth street, between Tenth avenue and summit east.....	3,462 70		" 14	Sewer.....	In One Hundred and Forty-seventh street, between Sixth and Seventh avenues.....	8,949 25	
" 14	Sewer.....	In One Hundred and Forty-seventh street, between Sixth and Seventh avenues.....	8,949 25		" 14	Furnishing materials, etc., in alterations and repairs to Hall of Records.....	873 00		
" 19	Sewer.....	In One Hundred and Twenty-fifth street, between Manhattan street and Tenth avenue.....	2,226 11		" 19	Sewer.....	In One Hundred and Thirty-second street, between Broadway and Tenth avenue.....	2,320 52	
" 19	Flagging, etc.....	Eighty-eighth street, from Madison to Park avenue... No. 1078 Madison avenue.....	799 38		" 19	Flagging, etc.....	Eighty-eighth street, from Madison to Park avenue... No. 1078 Madison avenue.....	13 20	
" 25	Furnishing and delivering bolts, bolt ends, tool steel and refined iron.....	In Grove street, between West Fourth and Bleeker streets.....	687 63		" 25	Receiving-basin.....	Northeast corner One Hundred and Sixth street and Madison avenue.....	352 44	
" 28	Receiving-basin.....	In Fifty-seventh street and East river.....	318 00		May 1	Repairs to sewer.....	Ninety-fourth street, from Park to Fifth avenue.....	1,113 66	
" 28	Repairs to sewer.....	In Fifty-seventh street and East river.....	318 00		" 2	Receiving-basin.....	Southeast corner Fourteenth street and Sixth avenue.. Second avenue, between Ninth and Tenth streets.....	1,611 45	
" 28	Receiving-basin.....	Southeast corner Fourteenth street and Sixth avenue.. Second avenue, between Ninth and Tenth streets.....	1,611 45		" 2	Sewer.....	One Hundred and Thirty-eighth street, from Eighth to Edgcombe avenue.....	1,514 69	
" 5	Repairs to sewer.....	In One Hundred and Forty-fifth street at Bradhurst avenue.....	817 00		" 5	Regulating and grading, etc.....	One Hundred and Forty-fifth street at Bradhurst avenue.....	817 00	



DATE.	NATURE.	LOCATION OF WORK.	TOTAL COST.
May 6	Paving.....	One Hundred and Forty-first street, from Tenth avenue to Boulevard.....	\$8,021 77
" 6	Loading and hauling away material.	From Old Reservoir, Central Park.....	17,999 10
" 8	Flagging, etc.....	North side One Hundred and Fifth street, and south side One Hundred and Sixth street, between Ninth and Tenth avenues.....	1,801 63
" 13	Paving.....	One Hundred and Twenty-sixth street, from St. Nicholas to Ninth avenue.....	4,922 36
" 13	Taking up and relaying pavement...	In Fifty-seventh street, from First to Fourth avenue..	4,736 18
" 14	Flagging, etc.....	West side Eighth avenue, from One Hundred and Forty-third to One Hundred and Forty-fourth street.....	78 00
" 15	".....	West side Fifth avenue, from One Hundred and Seventeenth to One Hundred and Eighteenth street, and from One Hundred and Thirty-second to One Hundred and Thirty-third street; and north side One Hundred and Thirty-second street, from Fifth to Lenox avenue.....	1,450 77
" 16	Laying crosswalk.....	Across Seventh avenue north and south sides of One Hundred and Twenty-sixth street.....	418 58
" 17	Flagging, etc.....	Sixty-fifth street, from Central Park, West, to Ninth avenue.....	1,689 91
" 20	Fencing vacant lots.....	Eighty-fourth and Eighty-fifth streets, Boulevard and Tenth avenue.....	504 97
" 20	Laying water-mains.....	In West Vanderbilt, Creston, Ryer, Edgecombe, Valentine and Washington avenues; in One Hundred and Thirty-eighth, One Hundred and Seventy-fifth, One Hundred and Seventy-sixth, One Hundred and Seventy-seventh, One Hundred and Seventy-eighth, One Hundred and Eighty-third and Rivington streets and in Kingsbridge road....	15,491 11
" 22	Flagging, etc.....	Eightieth street, from Avenue A to East river.....	1,892 71
" 22	".....	Ninety-sixth street, north side, from Lexington to Third avenue.....	231 53
" 23	".....	One Hundredth street, from Manhattan to Ninth avenue.....	170 49
" 23	".....	On block bounded by Madison and Park avenues, One Hundred and Nineteenth and One Hundred and Twentieth streets.....	1,448 18
" 23	Sewer.....	In One Hundred and Forty-second street, between Eighth and Edgecombe avenues, with alterations and improvements to curve at One Hundred and Forty-second street and Eighth avenue, and sewers in Eighth avenue, between One Hundred and First and One Hundred and Forty-fifth streets	7,864 67
" 23	Paving.....	Tenth avenue, from One Hundred and Fortieth to One Hundred and Fifty-first street.....	44,829 81
" 23	Furnishing materials, etc., in repairing and painting the roofs of the 14 free floating baths.....	To sewer in One Hundred and Twenty-second street, between Pleasant avenue and Harlem river.....	640 00
" 24	Repairs.....	South side One Hundred and Thirty-fourth street, from Fifth to Lenox avenue.....	248 05
" 26	Fencing vacant lots.....	In repairing pontoons, painting and repairing and furnishing signal lamps for the 14 free floating baths.....	46 00
" 29	Furnishing materials, etc.....	Southeast corner Tenth avenue and West Sixty-eighth street.....	4,045 00
June 3	Fencing vacant lots.....	North side Seventieth street, from Tenth to West End avenue.....	122 95
" 3	Flagging, etc.....	South side One Hundred and Third street, from Lexington to Park avenue and west side Lexington avenue, from One Hundred and Second to One Hundred and Third street.....	1,295 41
" 3	".....	One Hundred and Thirty-fourth street, from Fifth to Lenox avenue.....	365 60
" 5	Paving.....	North side Sixty-fifth street, west of Boulevard.....	9,531 89
" 5	Fencing vacant lot.....	In One Hundred and Twenty-third street, between Ninth and Tenth avenues.....	16 01
" 6	Sewer.....	In Eleventh Avenue Boulevard, east side, between One Hundred and Sixty-first and One Hundred and Sixty-fifth streets; in One Hundred and Sixty-fifth street, between Eleventh Avenue Boulevard and Kingsbridge road, and in Kingsbridge road, east side, between One Hundred and Sixty-fifth and One Hundred and Sixty-ninth streets	4,127 02
" 6	Sewer.....	One Hundred and Forty-third street, from Seventh to Eighth avenue.....	28,438 37
" 6	Paving.....	Eightieth street, from West End avenue to Riverside Drive.....	8,443 23
" 10	Flagging, etc.....	First new avenue, west of Eighth avenue, from One Hundred and Forty-fifth to One Hundred and Fifty-fifth street.....	512 02
" 10	Regulating, grading, etc.....	.....	67,252 95
" 11	Furnishing and delivering tapping-cocks and tapping-cock boxes.....	Leonard street, from Broadway to Hudson street....	2,032 00
" 12	Paving.....	Laight street, from Canal to Greenwich street.....	14,490 54
" 12	".....	South side Thirty-ninth street, from Sixth avenue to Broadway.....	18,863 92
" 13	Flagging, etc.....	.....	130 11
" 13	".....	Morris street, from Broadway to West street.....	1,683 32
" 13	".....	East side Manhattan avenue, from One Hundred and Fourteenth to One Hundred and Fifteenth street..	43 21
" 13	".....	West side Eighth avenue, from One Hundred and Forty-ninth to One Hundred and Fifty-first street.	380 63
" 14	Paving.....	Cherry street, from Clinton to Jefferson street.....	3,891 19
" 16	Sewer.....	In Tenth avenue, east side, between One Hundred and Thirtieth and One Hundred and Thirty-first streets	1,744 08
" 16	Flagging, etc.....	Sixty-fourth street, between Tenth and Eleventh avenues.....	3,955 58
" 17	Paving.....	Cedar street, from Broadway to Greenwich street, Cedar street, from Pearl to Nassau street, and Bridge street, from Broad to State street.....	17,764 81
" 18	Regulating and grading.....	One Hundred and First street, from First to Second avenue.....	2,638 46
" 19	Paving.....	One Hundred and Thirty-fifth street, from Madison avenue to Harlem river.....	9,387 16
" 19	Flagging, etc.....	East side Park avenue, from One Hundred and First to One Hundred and Second street.....	225 10
" 19	Outlet sewer.....	Through Pier 4, North river, and sewers in West street, between Rector street and Battery place, etc	30,728 76
" 20	Furnishing materials and performing work of building a keepers' house at Williamsbridge Reservoir.....	.....	8,719 00
" 21	Paving.....	Eighty-eighth street, from Park to Madison avenue..	4,095 70
" 23	Flagging, etc.....	One Hundred and Nineteenth street, from Pleasant avenue to East river.....	1,630 12
" 23	Sewer.....	In One Hundred and Forty-ninth street, between Seventh and Eighth avenues, etc.....	6,277 29
" 24	Taking up and relaying the pavement	In Sixth avenue, west side, from Forty-ninth to Fiftieth street; Sixth avenue, east side, from Fiftieth to Fifty-first street, Fifty-second street, from First to Second avenue, and Fifty-eighth street, from Avenue A to Third avenue.....	4,650 2
" 24	".....	In Sixty-sixth street, from Fourth to Lexington avenue; Sixty-eighth street, from Second to Third avenue; Seventieth street, from Lexington to Fourth avenue; Seventy-third street, from Second to Third avenue; Seventy-third street, from Lexington to Park avenue, and Ninety-fifth street, from First to Second avenue.....	4,988 78
" 25	Flagging, etc.....	East side Second avenue, One Hundredth to One Hundred and First street, and south side One Hundredth street, from First to Second avenue.....	2,379 70
" 25	Paving.....	Sixty-sixth street, from Ninth avenue to Boulevard..	2,077 48
" 25	Furnishing and delivering stop-cocks, hydrants, wooden hydrant boxes, cast-iron stop-cock boxes and manhole heads.....	.....	6,225 00
" 30	Laying crosswalks.....	Across Lenox avenue, north and south sides One Hundred and Fifteenth, One Hundred and Seventeenth, One Hundred and Sixteenth, One Hundred and Twelfth, One Hundred and Thirteenth, One Hundred and Fourteenth, One Hundred and Nineteenth, One Hundred and Twentieth, One Hundred and Twenty-first, One Hundred and Twenty-second, One Hundred and Twenty-fourth, One Hundred and Twenty-eighth, and One Hundred and Twenty-ninth streets.....	5,172 28
" 30	Sewer.....	In Sixty-fifth street, between Avenue A and First avenue, etc.....	8,689 27
" 30	Flagging, etc.....	West side Ninth avenue, from Eighty-fourth to Eighty-fifth street, and south side Eighty-fifth street, west of Ninth avenue.....	622 91
" 30	".....	West side Tenth avenue, from One Hundred and Forty-ninth to One Hundred and Fiftieth street...	279 53
" 30	".....	West side Park avenue, from One Hundred and Fifteenth to One Hundred and Eighteenth street..	568 21
" 30	".....	East side Tenth avenue, from One Hundred and Forty-fourth to One Hundred and Forty-fifth street.....	265 92

DATE.	NATURE.	LOCATION OF WORK.	TOTAL COST.
June 30	Flagging, etc.....	West side Fifth avenue, from One Hundred and Sixteenth to One Hundred and Eighteenth street, east side Fifth avenue, from One Hundred and Twenty-seventh to One Hundred and Twenty-eighth street, and south side One Hundred and Twenty-eighth street, from Madison to Fifth avenue.....	\$377 09
" 30	".....	East side Seventh avenue, from One Hundred and Twenty-first to One Hundred and Twenty-fifth street.....	352 63
" 30	".....	One Hundredth street, from Ninth to Tenth avenue.....	382 66
" 30	".....	Eighty-fourth street, from West End avenue to Riverside Drive.....	1,235 71
" 30	Furnishing material, etc., in repairing and painting the roofs and gutters of West Washington Market Buildings.....	.....	2,164 00
			\$455,818 97

RECAPITULATION.

12	Sewer Contracts.....	\$106,447 49
32	Regulating, Grading, etc., Contracts.....	98,747 82
9	Paving Contracts.....	96,481 68
4	Repaving Contracts.....	55,010 46
3	Taking up and Relaying Pavement Contracts.....	14,375 22
10	Miscellaneous Contracts.....	64,155 08
1	Laying Water-main Contract.....	15,491 11
17	Special Contracts.....	5,110 11
88	Contracts.....	\$455,818 97

Document "D."

REPORT OF CHIEF ENGINEER OF THE CROTON AQUEDUCT.

DEPARTMENT OF PUBLIC WORKS,  
OFFICE OF CHIEF ENGINEER, NO. 31 CHAMBERS STREET, ROOM 10,  
NEW YORK, July 2, 1890.

Hon. THOMAS F. GILROY, Commissioner of Public Works:

DEAR SIR—I herewith submit report for the quarter ending June 30, 1890.

EXPENDITURES.

Aqueduct—Repairs, Maintenance and Strengthening—Care, Maintenance and Repairs.....	\$39,101 27
Aqueduct—Repairs, Maintenance and Strengthening—Salaries.....	6,520 18
Aqueduct—Repairs, Maintenance and Strengthening—Excavation.....	2,025 00
Bronx River Works—Maintenance and Repairs.....	6,977 11
Bronx River Works—Maintenance and Repairs—Salaries.....	600 00
Croton Water Fund.....	42,876 68
Laying Croton Pipes.....	34,267 65
Laying Croton Pipes—Salaries.....	4,168 00
Repairing and Renewal of Pipes, Stop-cocks, etc.....	34,739 99
Salaries of Engineer, Clerks, etc.....	3,150 48
Water Meter Fund, No. 2.....	4,675 48
Water Supply, Twenty-fourth Ward.....	2,195 03
Total.....	\$181,296 87

STORAGE RESERVOIRS.

The Croton river has furnished a full supply to the Aqueduct during the quarter, and the storage reservoirs and lakes in the Croton water-shed are full.

Rain-fall—Inches.

	APRIL.	MAY.	JUNE.	TOTAL FOR QUARTER.
Boyd's Corners Reservoir.....	3.03	5.74	3.56	12.33
South East Reservoir.....	3.72	5.92	4.68	14.32
Kensico Reservoir.....	3.14	4.44	5.61	13.19
Croton Dam.....	3.71	5.57	3.75	13.03
Central Park Reservoirs.....	2.77	3.31	5.56	11.64

The contractor at Reservoir "A" has fairly started and the work is progressing slowly. Searches of the lands necessary for the upper portion of Reservoir "A" are nearly completed and a Commission will be applied for to appraise the value of same.

BRONX RIVER SUPPLY.

The Commissioners appointed to appraise damages on Bronx river, between Woodlawn and Williamsbridge, have closed their hearings and are making up their report.  
The Commissioners appointed to appraise lands on Bear Gutter Creek and Byram river are still taking testimony as to same.  
The work on the Byram river diversion is still at a standstill awaiting the possession of land on Bear Gutter Creek necessary to carry on same.  
Surveys, searches, etc., are being carried on along the Bronx river, from Williamsbridge to the Sound, and on Byram river and Byram Pond.  
The conduit, roads, fences and reservoirs have been kept in order by two gangs of men, and extra drains built to provide for change of drainage at Williamsbridge Reservoir.  
The conduit has furnished 18,000,000 gallons per day uninterruptedly during the quarter.  
The Keepers' house at Williamsbridge is completed.  
350,000,000 gallons of water have been drawn from Kensico Reservoir during the quarter.  
The reservoir at Rye Ponds is full.

AQUEDUCT—REPAIRS, MAINTENANCE AND STRENGTHENING.

Work Done during the Quarter ending June 30, 1890.

DIVISIONS.	EARTH EXCAVATION.	STONE QUARRIED.	DRY MASONRY.	FENCE.		FILLING AND GRADING.	PAVING.	BRICK MASONRY.	SEEDING.	SODDING.
	Cubic Yards.	Cubic Yards.	Cubic Yards.	Built.	Repaired.	Cubic Yards.	Square Yards.	Cubic Feet.	Square Yards.	Square Yards.
First.....	....	....	....	140	....	....	..	..	....	....
Second.....	....	....	5	1,580	....	..	..	..	....	....
Third.....	111	....	41	413	....	35	55	60	....	....
Fourth.....	....	....	....	330	2,340	....	..	..	....	....
Fifth.....	90	....	106	285	300	225	..	..	350	....
Sixth.....	245	....	....	259	249	575	..	..	....	....
Seventh.....	100	....	....	700	....	....	..	..	....	7,000
Eighth.....	563	282	....	....	....	....	..	..	....	....
Totals....	1,103	282	152	3,707	2,889	835	55	60	350	7,000



The regular maintenance of the Aqueduct has been continued as usual during the quarter, such as care of dam, lake, gate-houses, machinery and grounds, attending leaks, patrolling Aqueduct property, building and repairing fences.

The work on the Engineers' office building at High Bridge is still progressing.

The contract for the removal of twenty thousand cubic yards of material from Old Reservoir, Central Park, was completed during the quarter and a new contract for continuing the improvement of the Old Reservoir was commenced.

A new telephone line for service along new and old Aqueduct is in course of erection.

The more particular work on the several divisions has been as follows:

First Division—Care of dam, lake, gate-houses and machinery; putting new shingles on house; cleaning up around lake; cutting grass; building fences.

Second Division—Rebuilt stone wall on Potter's bank; built new bridges over aprons on upper end of division; repairing highway at Quaker Bridge road; repairing sidewalks on Waller avenue; attending leaks at "Fileworks" Arch (this leak has been very troublesome and needs constant watching); building and repairing fences; cutting grass and cleaning up line.

Third Division—Paving gutter on the arch bank and excavating for the same; building side-wall on arch bank; built retaining-wall on Croton avenue bank; tearing down old and excavating necessary for same; in repairing leak on the Aspinwall bank a brick wall was built close to the side-wall of the Aqueduct, the space between was filled and tamped hard with Portland cement and the dirt replaced and graded; the above work has about stopped the leak as very little water is running from it now; building fences; cutting grass, etc.

Fourth Division—Cleaning culverts, drains and gutters; repairs on banks and crosswalks; putting new shingles on roof of barn; cutting grass; attending leaks; building and repairing fences.

Fifth Division—Building walls on "Shonard terrace" and in the "Glen," and excavating for same; filling and grading at "Halfway" house and on "Horton's bank"; seeding banks; hauling stone; building five new gates; building and repairing fences; cutting grass; cleaning up line, etc.

Sixth Division—Erecting telephone poles; watching and attending leaks; building and repairing fences; grading on line south of McLean avenue; cutting grass and cleaning up surface of Aqueduct.

Seventh Division—The entire line of this division has been put in a presentable condition; cinders and sifted ashes have been spread all along the surface; limestone screenings have been spread around walks and roadways of reservoir; crosswalks, culverts and drains have been kept in good order; building fences; cutting grass and removing same; the square under the bridge has been put in good order; the excavation made for same has been filled up, the boulders removed and buried in pits; the banks have been graded and sodded; all of the approaches to High Bridge have been kept clean; a trench parallel with the Harlem river, north, has been excavated; painting of railing around reservoir was begun during the past quarter; hauling coal; care of tower, gate-houses, reservoir and general maintenance.

Eighth Division—Cleaning and repairs to Central Park Reservoir, gate-houses, chambers and outside mains; cleaning, repairs and maintenance of High Service Works; care of Ninth and Tenth avenue gate-houses and grounds; repairs to Old Aqueduct at Ninety-first street and Ninth avenue; pointing around reservoir; painting walls of fire-room at High Service Works; cutting grass; patrolling Central Park Reservoir. The contract for the removal of twenty thousand cubic yards of material from Old Reservoir was completed, and a new contract for continuing the improvement of the same was commenced during the past quarter; care of Forty-second Street Reservoir and general maintenance.

The contract for furnishing coal and the contract for hauling away material from the North Division of the Old Reservoir have been completed.

Work on the contracts for excavating material and hauling away same, and for masonry and concrete lining of the North Division of the Old Reservoir in Central Park have been commenced, but the same is delayed by the work of the Park Commissioners in repaving the Eighty-sixth Street Transverse Road, through which all of the material has to be hauled.

Work on the house at High Bridge is progressing slowly.

#### LAYING CROTON-PIPES.

Contracts for laying water-mains in the following streets and avenues have been completed: One Hundred and Seventy-seventh street, between Webster and West Vanderbilt avenues. Rivington street, between Bowery and East street.

One Hundred and Thirty-eighth street, between Third avenue and the canal. Kingsbridge road, between One Hundred and Eighty-ninth street and Kingsbridge.

West Vanderbilt avenue, between One Hundred and Seventy-fourth and One Hundred and Seventy-eighth streets.

One Hundred and Seventy-fifth street, between Webster and West Vanderbilt avenues. Creston avenue, between One Hundred and Eighty-first and One Hundred and Eighty-third streets.

Edgcombe avenue, between One Hundred and Forty-first and One Hundred and Forty-fifth streets.

Valentine avenue, between One Hundred and Seventy-ninth and One Hundred and Eighty-fourth streets.

Washington avenue, between One Hundred and Eightieth street and Pelham avenue.

Ryer avenue, between One Hundred and Eighty-first and One Hundred and Eighty-third streets.

One Hundred and Eighty-third street, between Ryer and Creston avenues.

One Hundred and Tenth street, at Manhattan avenue.

One Hundred and Seventy-seventh street, across Vanderbilt avenue.

One contract for laying water-pipes has been entered into.

One contract for laying water-pipes and 1 contract for furnishing stop-cocks, hydrants, etc., have been completed.

#### Amount of Pipe Laid During the Quarter.

	Lineal feet.
48-inch pipe	540
12-inch pipe	2,745
6-inch pipe	30,906
4-inch pipe	3,130

Total..... 37,321

#### Stop-cocks Set.

12-inch stop-cocks	7
6-inch stop-cocks	51
4-inch stop-cocks	6

Total..... 64

#### Hydrants Placed.

"A" hydrants	63
No. 1 hydrants	40

Total..... 103

#### TAPS.

Number of taps put in during the quarter..... 1,043

#### METERS.

Number of meters placed during the quarter..... 705

Number of meters in use March 31, 1890..... 20,348

Total number in use June 30, 1890..... 21,053

#### REPAIRING AND RENEWAL OF PIPES, STOP-COCKS, ETC.

The usual force at Pipe Yard have been employed, and a gang of men since April 1 have been replacing mains, taps, service-pipes, etc., along the water-front where the same have been corroded with salt water.

A contract for bolts, iron and steel and one for tapping-cock and boxes have been completed.

#### WASTE AND USE OF WATER.

Since April 1 the reservoirs in the city have been drawn down eighteen inches, equal to 50,000,000 gallons of water, in addition to 96,000,000 gallons per day from the Croton river and 18,000,000 gallons per day from the Bronx river.

As soon as the warm weather commenced in May the draught of water by consumers increased, and as there was no reserve to draw upon the pressure throughout the city decreased, and during the day a large number of houses on high parts of the city, from Wall street north, were without water more or less of the time, the parties on lower ground using all of the available water.

Yours respectfully,

G. W. BIRDSALL, Chief Engineer, Croton Aqueduct.

#### Document "E."

#### REPORT OF THE WATER PURVEYOR.

DEPARTMENT OF PUBLIC WORKS,  
WATER PURVEYOR'S OFFICE, NO. 31 CHAMBERS STREET, ROOM 1,  
NEW YORK, July 1, 1890.

Hon. THOMAS F. GILROY, Commissioner of Public Works:

SIR—I have the honor to submit the following report of the transactions of this Bureau during the quarter ending June 30, 1890:

#### RECEIPTS.

For permits to construct vaults	\$40,870 68
For labor and materials furnished	8,345 29

Total receipts..... \$49,215 97

Total for the preceding quarter..... 29,720 40

Total for the half year..... \$78,936 37

#### EXPENDITURES.

204 vouchers, amounting in the aggregate to four hundred and forty-nine thousand one hundred and thirty-three dollars and fourteen cents (\$449,133.14), were transmitted and charged, as follows:

Public Drinking-hydrants, 1890	\$662 08
Public Drinking-hydrants—Salaries	300 00
Repairs and Renewal of Pavements and Regrading, 1889	14,525 91
Repairs and Renewal of Pavements and Regrading, 1890	52,395 77
Repairs and Renewal of Pavements and Regrading—Salaries	4,167 48
Repaving Streets and Avenues, 1888	1,057 80
Repaving Streets and Avenues, 1889	65,119 15
Repaving Streets and Avenues, 1890	9,370 16
Repaving Streets and Avenues—Salaries	1,667 25
Repairing and Renewal of Pipes, Stop-cocks, etc., 1890	26,582 74
Street Improvement Fund	116,879 80
Restoring and Repaving—Special Fund—Department of Public Works	7,399 00
Repaving, chapter 346, Laws of 1889, 1889	143,088 74
Repaving, chapter 346, Laws of 1889, 1890	5,924 76
Contingencies—Department of Public Works	22 50

Total..... \$449,133 14

Total for preceding quarter..... 269,708 51

Total for the half year..... \$718,841 65

#### PERMITS ISSUED.

72 for the construction of vaults.

66 for repairs to vaults.

184 for erecting guy-posts.

82 for building fires on the streets for roofing and other purposes.

31 for repairs to pavements at expense of applicants.

In addition to the above the following special permits were granted, viz.:

The Equitable Gas-light Company—To pave at their own expense the roadway of Fortieth street, from First avenue to the bulkhead-line of East river.

The Bank of New York—To lay an asphalt pavement in William street, between Wall and Pine streets; the work to be done at the expense of said bank.

M. Rosendorff & Sons—To lay a crosswalk at their own expense across Grand street, from opposite No. 277.

Ehlers & Rossmid—To lay a crosswalk at their own expense across One Hundred and Twenty-fifth street, from No. 109 to No. 110.

Resolutions authorizing the above works were passed at various times by the Board of Aldermen.

#### REPAIRS AND RENEWAL OF PAVEMENTS AND REGRADING.

The average force employed to make repairs to street pavements was as follows:

In April, 64 mechanics, 87 laborers, 21 carts and 1 team.

In May, 169 mechanics, 223 laborers, 57 carts and 4 teams.

In June, 214 mechanics, 275 laborers, 75 carts and 4 teams.

86,633 square yards of pavements were taken up and relaid by this force, notwithstanding a loss of 17 3/4 days on account of wet weather.

160 square yards of asphalt pavement were taken up and renewed under an order amounting to less than \$1,000.

Under contracts entered into last year, 31,901.80 square yards of pavement were taken up and relaid in the following-named streets:

Sixty-sixth street, from Fourth to Lexington avenue.

Sixty-eighth street, from Second to Third avenue.

Seventieth street, from Lexington to Park avenue.

Seventy-third street, from Second to Third avenue.

Seventy-third street, from Lexington to Park avenue.

Ninety-fifth street, from First to Second avenue.

Sixth avenue, west side, from Forty-ninth to Fiftieth street.

Sixth avenue, east side, from Fiftieth to Fifty-first street.

Fifty-second street, from First to Second avenue.

Fifty-seventh street, from First to Fourth avenue.

Fifty-eighth street, from Avenue A to Third avenue.

Thus making a total of 118,694.80 square yards of pavement taken up and relaid during the quarter.

#### REPAIRING AND RENEWAL OF PIPES, STOP-COCKS, ETC.

The average force employed in repairing and renewing water-pipes, stop-cocks, fire-hydrants, etc., was, as follows:

In April, 118 men and 15 carts.

In May, 122 men and 15 carts.

In June, 123 men and 15 carts.

The work done by this force consisted of putting in 3 new fire-hydrants, replacing 144 old fire-hydrants with new ones, repairing leaks and breaks in Croton mains and pipes, repairing pavement where disturbed in the above work and many other things coming under this branch of the Department service.

#### PUBLIC DRINKING-HYDRANTS.

44 public drinking-hydrants were repaired and 7 new ones were erected. The new hydrants were placed as follows:

Northwest corner of Lexington avenue and One Hundred and Nineteenth street.

Boulevard, at One Hundred and Twenty-ninth street.

Southwest corner of Broadway and Church street.

Northwest corner of One Hundred and Eighteenth street and Pleasant avenue.

Northeast corner of Eighty-fifth street and Madison avenue.

First avenue and One Hundred and Nineteenth street.

No. 1849 Washington avenue.

#### REPAVING STREETS AND AVENUES, UNDER CHAPTER 476, LAWS OF 1875.

Work on contracts for repaving the following-named thoroughfares was completed:

#### With Granite-block Pavement.

STREET.	FROM	SQUARE YARDS.	LINEAL FEET.
Cherry street	Clinton to Jefferson street	1,235.30	370.6
Seventy-second street	Second to Third avenue	2,792.00	626.1
Wall street	Broadway to Nassau street	773.04	297.2
"	Hanover to Pearl street	648.56	261.3
Madison avenue	Thirty-third to Thirty-sixth and Forty-first to Forty-second street	5,406.70	1,193.7
Hudson street	Beach to Spring street	10,886.60	1,874.1
Canal street	Hudson to Greenwich street	3,437.00	444.8
Total, including crosswalks		25,179.20	5,067.80



### NEW PAVEMENTS UNDER ASSESSMENT.

The following streets were newly paved during the quarter, the entire cost of the work being assessed upon the property benefited :

STREET.	FROM	SQUARE YARDS.	LINEAL FEET.
One Hundred and Eighth street.....	Boulevard to Riverside Drive.....	1,382.16	414
Sixty-seventh street.....	Ninth avenue to Boulevard.....	789.46	238
One Hundred and Forty-fourth street..	Eighth avenue to first new avenue west.....	949.66	283.25
Ninety-second street.....	West End avenue to Boulevard .....	1,156.66	352
Eightieth street .....	West End avenue to Boulevard .....	898.66	292
One Hundred and Nineteenth street....	Manhattan avenue to Ninth avenue.....	1,225.33	367.55
One Hundred and Nineteenth street....	Manhattan avenue to Eighth avenue.....	1,306.33	391.90
Sixty-ninth street.....	Eighth to Ninth avenue .....	2,760.44	828.75
One Hundred and Second street.....	Ninth to Tenth avenue.....	2,698	815.66
One Hundred and Forty-third street...	Seventh to Eighth avenue.....	2,724.66	817.50
Seventy-third street.....	West End avenue to Riverside Drive.....	1,235.33	371.20
One Hundred and Thirty-fourth street..	Fifth to Lenox avenue.....	3,113.00	937
One Hundred and Twenty-sixth street..	St. Nicholas avenue to Ninth avenue.....	1,617.82	462
Eighty-eighth street.....	Park to Madison avenue.....	1,399.33	421
One Hundred and Forty-first street....	Tenth avenue to Boulevard.....	2,760.24	807
Seventy-fourth street. ....	Eighth to Ninth avenue.....	2,743	827
Madison avenue.....	Ninety-fourth to One Hundred and Third street	11,206.55	2,385.16
Tenth avenue.....	One Hundred and Fortieth to One Hundred } and Fifty-first street..... }	16,404	2,827
One Hundred and Thirty-fifth street...	Madison avenue to bulkhead-line of Harlem } river .....	3,362.66	504.50
Total, including crosswalks. ....	.....	59,823.29	14,342.47

Length in miles, 2,716.

Fortieth street.....	First avenue to East river.....	1,500	450
----------------------	---------------------------------	-------	-----

Length in miles, .085.

A large number of ordinances have been approved for new pavements and many contracts have been let for the work. The pavements in nearly all of these streets will be completed before the 1st of October.

### STREET OPENINGS.

7,256 openings were made to repair all mains other than Croton water-mains, and to make repairs of connections for gas, steam, water, sewer, electric-lights and subways.

791 notices were sent to corporations and others to repair bad places in the pavement over openings made by them.

778 bad places in the pavements were repaired in compliance with the above notices.

17.54 miles of gas-mains were laid.

8.45 miles of electrical subways were co

376 feet of steam-pipes were laid.

590 feet of salt water-mains were laid.

250 feet of single car tracks were laid.

8,000 feet of double car-tracks were laid

The following table shows the total areas of all the different kinds of pavements in New York City at the close of the second quarter of 1890 :

KIND OF PAVEMENT.	SQUARE YARDS.	LINEAL FEET.	MILES.
Specification granite .....	2,225,810.75	529,107.63	100.21
Block granite.....	673,402.00	136,717.00	25.89
Specification trap.....	1,248,528.82	355,821.90	67.39
Belgian blocks.....	3,045,214.04	695,290.60	131.68
Cobble.....	101,642.76	27,174.60	5.13
Asphalt.....	71,190.43	17,692.00	3.36
Wood .....	516.00	158.00	.03
Russ.....	2,964.00	621.00	.12
Macadam .....	908,354.00	133,748.90	25.34
Total .....	8,277,622.80	1,896,331.63	359.15

Respectfully,  
WM. H. BURKE, Water Purveyor.

## Document "F."

## REPORT OF ENGINEER IN CHARGE OF SEWERS.

DEPARTMENT OF PUBLIC WORKS,  
OFFICE OF ENGINEER IN CHARGE OF SEWERS,  
NO. 31 CHAMBERS STREET, ROOM 9,  
NEW YORK, July 5, 1890.

*Hon. THOMAS F. GILROY, Commissioner of Public Works:*

DEAR SIR—In compliance with your instructions, I hand you herewith my report of the transactions of this office for the quarter ending June 30, 1890:

10,004 linear feet of new sewers and 8 receiving-basins connected therewith have been built, making the present total length of the sewerage of the city 2,303,258 linear feet (436.<sup>30</sup>/<sub>100</sub>) miles, with 5,223 receiving-basins, which number includes 2 receiving-basins built under special contract, as hereafter stated.

17 sewer and 2 basin contracts have been completed, viz. :  
Sewer in Second avenue, between Ninth and Tenth streets.

Sewer in Eleventh avenue Boulevard, east side, between One Hundred and Sixty-first and One Hundred and Sixty-fifth streets, etc.

Sewer in Tenth avenue, east side, between One Hundred and Thirtieth and One Hundred and Thirty-first streets.

Sewer in One Hundred and Forty-second street, between Eighth and Edgecombe avenues, etc.

Sewer in One Hundred and Twenty-third street, between Ninth and Tenth avenues.  
Sewer in One Hundred and Forty-fourth street, between Seventh and Eighth avenues, etc.  
Sewer in Sixty-fifth street, between Avenue A and First avenue.

Alteration and improvement to sewer in Twentieth street, between Tenth avenue and North river.

Contracts have been awarded for repaving the following-named streets and the work on several of them is nearly finished.

*Authorized by the Board of Aldermen.*

Whitehall street, from Beaver street to South Ferry.  
Madison avenue, from Thirty-second to Thirty-third, Thirty-sixth to Forty-first and Forty-second to Fifty-eighth street, and Fifty-eighth street, from Madison to Fifth avenue.  
Wall street, from Nassau to Hanover street.  
South William street, from William to Broad street.  
William street, from Wall to Frankfort street.  
Harrison street, from Hudson to Washington street.  
Desbrosses street, from Hudson to Greenwich street.  
Catharine street, from Division to Cherry street.  
Pearl street, from Fulton to Oak street.  
New Bowery, from Oak street to Chatham Square.  
Elizabeth street, from Bleecker to Bayard street.  
East Broadway, from Chatham Square to Grand street.  
Park Row, from Frankfort street to and including Chatham Square.

*Authorized by the Board of Estimate and Apportionment, under Chapter 346, Laws of 1889.*

Thomas street, from Church to Hudson street.  
Howard street, from Broadway to Mercer street.  
Greenwich avenue, from Eighth avenue to West Thirteenth street.  
Horatio street, from Greenwich avenue to Fourth street.  
Lexington avenue, from Thirty-fourth to Thirty-fifth, Fifty-ninth to Sixty-sixth, and from Sixty-ninth to Ninety-seventh street.  
Thirteenth street, from Avenue B to Fifth avenue.  
Reade street, from Elm to Washington street.  
Broadway (or Boulevard), from Fifty-ninth to Seventy-ninth street.  
Forty-third street, from Madison to Fifth avenue.  
Sixtieth street, from Fourth to Fifth avenue.  
Sixty-seventh street, from Fourth to Fifth avenue.  
Sixty-eighth street, from Park to Fifth avenue.  
Lexington avenue, from Twenty-first to Thirty-second street, Forty-second to Fifty-ninth street, and Sixty-sixth to Sixty-ninth street.  
Forty-sixth street, from Madison to Sixth avenue.  
Forty-seventh street, from Madison to Sixth avenue.  
Twenty-fifth street, from Broadway to Sixth avenue.  
Thirty-second street, from Madison to Fifth avenue.  
Fortieth street, from Fourth to Fifth avenue.  
Broome street, from Centre street to Broadway.  
Varick street, from Franklin to Canal street.  
Spring street, from Bowery to Broadway.  
Thirty-eighth street, from Fourth to Madison avenue.  
Thirty-third street, from Madison avenue to Broadway.  
Thirty-sixth street, from Fourth to Sixth avenue.  
Thirty-seventh street, from Fourth to Fifth avenue.  
Thirty-eighth street, from Fifth to Sixth avenue.  
Forty-ninth street, from Madison to Sixth avenue.  
Fiftieth street, from Fourth to Fifth avenue.  
Fifty-first street, from Madison to Sixth avenue.  
Fifty-third street, from Madison to Sixth avenue.  
Sixty-eighth street, from Third to Fourth avenue.  
Fifty-fourth street, from Fifth to Sixth avenue.  
Sixty-ninth street, from Lexington to Fifth avenue.  
Fifty-eighth street, from Fifth to Sixth avenue.  
Sixtieth street, from Lexington to Fourth avenue.  
Hanover street, from Pearl street to Exchange place.  
Exchange place, from Hanover to William street.  
William street, from Beaver to Wall street.  
Eighth avenue, from Thirteenth to Thirty-fourth street.  
Eighth avenue, from Thirty-fourth to Fifty-ninth street.  
Greenwich street, from Chambers to Canal street.  
Canal street, from Hudson street to Bowery.

The estimated areas of the above streets amount in the aggregate to 456,000 square yards, and the estimated cost of the work to \$1,910,600.

With favorable weather there is nothing to prevent the completion of all these contracts before the close of the present paving season.



Outlet sewer through Pier 4, North river, etc.  
Extension of sewer in Grove street, between West Fourth and Bleecker streets.  
Extension of sewer at outlet, Sixty-second street, at East river.  
Repairs to sewer at outlet, Fifty-seventh street, at East river.  
Repairs to sewer in One Hundred and Forty-fifth street, at Bradhurst avenue.  
Repairs to sewer in One Hundred and Twenty-second street, between Pleasant avenue and Harlem river.  
Repairs to sewer in Park avenue, between One Hundred and Third and One Hundred and Sixth streets, etc.  
Receiving-basin, northeast corner One Hundred and Sixth street and Madison avenue.  
Receiving-basin, southeast corner Fourteenth street and Sixth avenue.  
There are now in progress 20 contracts for new sewers and 1 contract for repairs to sewer.  
1,127 receiving-basins and 107,755 linear feet of sewer have been cleaned.

Yours respectfully,

HORACE LOOMIS, Engineer in Charge of Sewers.

REPORT OF THE TRANSACTIONS OF THE OFFICE OF THE ENGINEER IN CHARGE OF SEWERS  
FOR THE QUARTER ENDING JUNE 30, 1890.

Credit to General Fund—

Amount received for 364 permits for sewer connections..... \$8,375 85

Engineers' Fees—

Amount of Engineers' fees assessed on property benefited, and charged to Street Improvement Fund..... \$7,546 76

Sewers—Repairing and Cleaning—

Balance on hand, March 31, 1890..... \$135,505 73  
Vouchers transmitted to the Commissioner of Public Works—  
Pay-roll of Laborers, etc..... \$19,540 74  
Repairing and Cleaning (under \$1,000)..... 13,992 77  
Materials and sundries..... 3,498 49  
Balance on hand, June 30, 1890..... 98,473 73  
\$135,505 73

Sewers—Repairing and Cleaning for 1889—

Balance on hand, March 31, 1890..... \$13,921 31  
Vouchers transmitted to the Commissioner of Public Works—  
On contracts..... \$11,239 09  
Balance on hand, June 30, 1890..... 2,682 22  
13,921 31

Sewers—Repairing and Cleaning—Salaries—

Balance on hand March 31, 1890..... \$7,530 02  
Vouchers transmitted to the Commissioner of Public Works—  
Pay-roll of Inspectors, etc..... \$2,509 98  
Balance on hand, June 30, 1890..... 5,020 04  
7,530 02

Sewerage System—Salaries—

Balance on hand, March 31, 1890..... \$6,848 82  
Vouchers transmitted to the Commissioner of Public Works—  
Pay-roll of Engineers, etc..... \$2,044 17  
Balance on hand, June 30, 1890..... 4,804 65  
6,848 82

Boring Examinations for Grading and Sewer Contracts—

Balance on hand, March 31, 1890..... \$2,806 50  
Vouchers transmitted to the Commissioner of Public Works—  
Pay-roll of Axeman, etc..... \$885 50  
Balance on hand, June 30, 1890..... 1,921 00  
2,806 50

Restoring and Repaving—Special Fund—

Amount received for permits for street openings..... \$6,883 00

Street Improvement Fund—

Vouchers transmitted to the Commissioner of Public Works—  
Pay-roll of Engineers, etc..... \$13,183 15  
On contracts for sewers, etc..... 54,430 05  
\$67,613 20

Work done by mechanics and laborers—

132 receiving-basins relieved.  
1,127 receiving-basins and culverts cleaned.  
17,833 linear feet of sewer cleaned.  
200 linear feet of sewer relieved.  
113 linear feet of sewer rebuilt.  
26 linear feet of new pipe sewer laid.  
105 linear feet of new pipe culvert laid.  
51 linear feet of spur pipe laid.  
35 linear feet of new curb set.  
451 manhole heads reset.  
4 basin heads reset.  
12 basins repaired.  
1 new basin built.  
3 new manholes built.  
28 new manhole heads and covers put on.  
9 new basin heads and covers put on.  
27 new basin covers put on.  
32 new manhole covers put on.  
1,773 cubic feet of brick work built.  
179 square feet of flagging relaid.  
423 square yards of pavement relaid.  
35,019 cubic yards of earth excavated and refilled.  
3,175 cart-loads of dirt removed.

Document "G."

REPORT OF THE SUPERINTENDENT OF STREET IMPROVEMENTS.

DEPARTMENT OF PUBLIC WORKS,  
BUREAU OF STREET IMPROVEMENTS, ROOM 5, NO. 31 CHAMBERS STREET,  
NEW YORK, July 7, 1890.

Hon. THOMAS F. GILROY, Commissioner of Public Works :

SIR—In accordance with your instructions, I have the honor to submit herewith my report of the transactions of the Bureau of Street Improvements for the quarter ending June 30, 1890 :

Respectfully submitted,

W. M. DEAN, Superintendent Street Improvements.

STATEMENT OF AMOUNT OF WORK DONE DURING THE QUARTER ENDING JUNE 30, 1890.

Earth excavation.....cubic yards. 10,142  
Rock excavation....." 17,308  
Filling furnished....." 61,764  
Curb-stones set.....linear feet. 10,356  
" reset....." 8,905

Flagging laid.....square feet. 102,124  
" relaid....." 39,601  
Fence built.....linear feet. 2,525  
Retaining-wall.....cubic yards. 50  
Culvert.....linear feet. 100

AMOUNT OF VOUCHERS DRAWN.

On account of—  
Street Improvement Fund..... \$82,449 78  
Street Improvements—For Surveying, Monumenting and Numbering, etc..... 653 00  
Flagging Sidewalks and Fencing Vacant Lots in front of City Property..... 226 83  
Contingencies of Department of Public Works..... 278 15  
Retaining-walls in East Fifty-first street and East Forty-second street..... 244 00  
Boring Examinations for Grading and Sewer Contracts..... 773 55  
Local Improvement Fund..... 353 45  
Total..... \$84,978 76

APPROPRIATIONS.

Street Improvements—For Surveying, Monumenting and Numbering of Streets..... \$3,000 00  
Amount of vouchers drawn during first quarter..... \$566 00  
Amount of vouchers drawn during second quarter..... 653 00  
Outstanding liabilities..... 1,206 00  
Balance estimated..... 575 00  
3,000 00

Contingencies—Department of Public Works—

Amount of vouchers drawn..... \$278 15

Flagging Sidewalks and Fencing Vacant Lots in front of City Property.....

Amount of vouchers drawn..... \$226 83  
Balance..... 2,773 17  
3,000 00

Retaining-walls in East Fifty-first street and East Forty-second street—

Amount of vouchers drawn..... \$244 00

Boring Examinations for Grading and Sewer Contracts—

Amount of voucher drawn..... \$773 55

WORKS COMPLETED.

Regulating, Grading, etc.—

One Hundred and Thirty-eighth street, from Eighth to Edgecombe avenue..... \$1,495 29  
First new avenue west of Eighth avenue, from One Hundred and Forty-fifth to One Hundred and Fifty-fifth street..... 67,252 95  
One Hundred and First street, from First to Second avenue..... 2,638 46  
\$71,386 70

Curbing and Flagging—

Sixty-fourth street, from Tenth to Eleventh avenue..... \$3,955 88  
East side Second avenue, from One Hundredth to One Hundred and First street, and south side One Hundredth street, from First to Second avenue..... 2,379 70  
6,335 58

Flagging, etc.—

South side Eighty-eighth street, from Madison to Park avenue.... \$799 38  
Ninety-fourth street, from Park to Fifth avenue..... 1,113 66  
North side One Hundred and Fifth street and south side One Hundred and Sixth street, from Ninth to Tenth avenue..... 1,801 63  
West side Eighth avenue, from One Hundred and Forty-third to One Hundred and Forty-fourth street..... 78 00  
West side Fifth avenue, from One Hundred and Seventeenth to One Hundred and Eighteenth street, etc..... 1,450 77  
Sixty-fifth street, from Central Park, West, to Ninth avenue..... 1,689 91  
Eightieth street, from Avenue A to East river..... 1,892 71  
North side Ninety-sixth street, from Lexington to Third avenue.... 231 53  
One Hundredth street, from Manhattan to Ninth avenue..... 170 49  
Madison and Park avenues, One Hundred and Nineteenth and One Hundred and Twentieth streets..... 1,448 18  
North side Seventieth street, from Tenth to West End avenue..... 1,295 41  
South side One Hundred and Third street, from Lexington to Park avenue, etc..... 365 60  
West side Eighth avenue, from One Hundred and Forty-ninth to One Hundred and Fifty-first street..... 380 63  
East side Manhattan avenue, from One Hundred and Fourteenth to One Hundred and Fifteenth street..... 43 21  
South side Thirty-ninth street, from Sixth avenue to Broadway.... 130 11  
Morris street, from Broadway to West street..... 1,683 32  
Eightieth street, from West End avenue to Riverside Drive..... 512 02  
East side Park avenue, from One Hundred and First to One Hundred and Second street..... 225 10  
One Hundred and Nineteenth street, from Pleasant avenue to East river..... 1,630 12  
One Hundredth street, from Ninth to Tenth avenue..... 382 66  
Eighty-fourth street, from West End avenue to Riverside Drive.... 1,235 71  
East side Seventh street, from One Hundred and Twenty-first to One Hundred and Twenty-fifth street..... 352 63  
West side Fifth avenue, from One Hundred and Sixteenth to One Hundred and Eighteenth street and East side Fifth avenue, from One Hundred and Twenty-seventh to One Hundred and Twenty-eighth street..... 377 09  
East side Tenth avenue, from One Hundred and Forty-fourth to One Hundred and Forty-fifth street..... 265 92  
West side Park avenue, from One Hundred and Fifteenth to One Hundred and Eighteenth street..... 568 21  
West side Tenth avenue, from One Hundred and Forty-ninth to One Hundred and Fiftieth street..... 279 53  
West side Ninth avenue, from Eighty-fourth to Eighty-fifth street, etc..... 622 91  
21,026 44

Fencing Vacant Lots—

Eighty-fourth and Eighty-fifth streets, Boulevard and Tenth avenue South side One Hundred and Thirty-fourth street, Fifth to Lenox avenue..... \$504 97  
Southeast corner Tenth avenue and Sixty-eighth street..... 46 00  
North side Sixty-fifth street, 100 feet west of Boulevard..... 122 95  
West side Boulevard, Seventy-third to Seventy-fourth street..... 16 01  
Northwest corner Lexington avenue and Seventy-second street..... 296 56  
South side One Hundred and Tenth street, Madison and Fourth avenues..... 159 58  
No. 1078 Madison avenue..... 47 76  
13 26  
1,207 09

Total..... \$99,955 81

RECAPITULATION.

3 contracts for regulating, grading, etc..... \$71,386 70  
2 contracts for curbing and flagging..... 6,335 58  
27 contracts for flagging..... 21,026 44  
8 contracts for fencing vacant lots..... 1,207 09

Total..... \$99,955 81



Statement showing Works under Contract in Bureau of Street Improvements on the 30th day of June, 1890.

LOCATION OF WORK.	CONTRACTOR.	SURVEYOR.	INSPECTOR.	CONTRACT TIME.	ESTIMATED COST.	AMOUNT EARNED.	AMOUNT RETAINED.	AMOUNT PAID.	REMARKS.
<i>Regulating, Grading, Curbing and Flagging.</i>									
Kingsbridge road, One Hundred and Ninetieth street to Harlem river....	B. F. Coleman .....	J. McI. Smith.....	Frederick G. Fay ..	300 days.	\$204,990 00	\$131,642 50	\$39,492 75	\$92,145 75	
Edgecombe avenue, One Hundred and Forty-fifth street to St. Nicholas place .....	John F. Dawson....	J. McI. Smith.....	Leander Buck .....	300 "	86,826 06	162,818 75	48,845 62	113,973 13	
Edgecombe avenue, One Hundred and Forty-first to One Hundred and Forty-fifth street .....	John J. Hopper....	George A. Wheeler....	Martin Fallon .....	45 "	1,454 02				Work suspended.
Claremont avenue, One Hundred and Twenty-second to One Hundred and Twenty-seventh street .....	Benjamin J. Carr, Jr.	Thomas Slator.....	David Simmons.....	200 "	17,368 88	4,135 00	1,240 50	2,894 50	
Fifth avenue, One Hundred and Thirty-eighth street to Harlem river....	Jerome Finn.....	James R. Wardlaw....	B. V. Frazer .....	500 "	18,817 24	15,410 00	4,623 00	10,787 00	
West side Pleasant avenue, One Hundred and Nineteenth to One Hundred and Twenty-first street .....	Michael Fay.....	Charles H. Haswell...	Charles Myers .....	5 "	392 01				Work completed, but not accepted.
West side Eighth avenue, Ninety-fourth to Ninety-eighth street....	Thomas J. Dunn....	R. L. Waters.....	E. C. Brady.....	9 "	1,226 44				Work not yet commenced.
Northeast corner West Broadway and Walker street.....	Thomas J. Dunn....	E. D. Johnston.....	E. C. Brady.....	3 "	495 30				Work completed, but not accepted.
Fifteenth street, Avenue A to Avenue B.....	Thomas J. Dunn....	R. J. Dodge .....	E. C. Brady.....	5 "	784 50				
Seventieth street, First avenue to East river.....	Thomas J. Dunn....	Thomas Slator.....	James Hill.....	17 "	5,298 46				Work completed, but not accepted.
Seventieth street, south side, Tenth to West End avenue.....	Michael Fay.....	R. J. Dodge .....	Martin Fallon.....	10 "	1,263 00				Work completed, but not accepted.
Seventy-second street, south side, First avenue to Avenue A .....	Thos. F. McDonald.	George A. Wheeler...	Mark Neary.....	3 "	545 50				Work completed, but not accepted.
Seventy-eighth street, Tenth avenue to Boulevard .....	Michael Fay.....	William H. Bostwick..		7 "	406 68				Work not yet commenced.
Eighty-first street, Tenth avenue to Boulevard .....	Michael Fay.....	H. H. Spindler.....		5 "	393 92				
Eighty-fourth street, Eighth to Ninth avenue.....	Michael Fay.....	Frank E. Towle.....		8 "	789 07				
Eighty-sixth street, north side, First to Second avenue.....	Thomas J. Dunn....	B. R. Guion.....		5 "	1,006 96				
Eighty-sixth street, Eighth avenue to Riverside Drive.....	Michael Gavin.....	E. C. Stout .....		7 "	423 41				
Ninetieth street, north side, Madison to Park avenue .....	Thomas J. Dunn....	R. J. Dodge .....	Theophilus Pratt ..	17 "	5,224 50				
	Patrick McInerney.	R. L. Waters.....	Michael Neafsey ..	6 "	396 33				Work completed, but not accepted.
Ninety-first street, Ninth to Tenth avenue.....	M. Fortunato .....	R. Amerman .....	M. T. Griffin.....	100 "	13,292 10	9,612 80	2,883 84	6,728 96	
Ninety-seventh street, north side, Third to Park avenue.....	Thomas J. Dunn....	William H. Bostwick..	B. A. Frazer .....	6 "	907 64				Work not yet commenced.
One Hundred and Sixth street, Boulevard to Riverside Drive.....	John Cahill.....	R. L. Waters.....	Philip F. Sullivan ..	150 "	22,360 35	10,560 00	3,168 00	7,352 00	
One Hundred and Seventh street, Ninth to Tenth avenue.....	F. C. Hopkins.....	M. A. Lacy.....	Chas. N. McCusker..	50 "	3,549 07				
One Hundred and Ninth street, Ninth avenue to Riverside Drive.....	Thomas F. Murray..	R. J. Dodge .....	Charles M. Torpey..	210 "	16,163 00	10,720 00	3,216 00	7,554 00	
One Hundred and Eleventh street, Fifth to Sixth avenue.....	John J. Farley.....	M. A. Lacy.....	C. J. McGuire.....	150 "	1,807 70				
One Hundred and Thirteenth street, north side, Seventh to Eighth avenue, etc. ....	Thomas J. Dunn....	M. A. Lacy.....		7 "	742 30				Work not yet commenced.
One Hundred and Twenty-third street, Tenth avenue to Boulevard ..	M. Fortunato.....	James F. Carey.....	Bernard Martin.....	200 "	10,815 00	1,620 00	486 00	1,134 00	
One Hundred and Twenty-fifth street, south side, Eighth to St. Nicholas avenue .....	Thomas J. Dunn....	M. A. Lacy.....		5 "	363 50				Work not yet commenced.
One Hundred and Thirtieth street, Boulevard to Twelfth avenue.....	John J. Hopper....	George A. Wheeler...		150 "	4,578 15				
One Hundred and Thirty-fourth street, Park to Madison avenue .....	Patrick McInerney.	Thomas Slator.....	Michael Neafsey ..	6 "	394 32				
Madison avenue, east side, One Hundred and Thirty-third to One Hundred and Thirty-fourth street, etc. ....									Work not yet commenced.
One Hundred and Thirty-third street, Seventh to Eighth avenue.....	Thomas J. Dunn....	B. R. Guion.....		6 days.	1,015 32				
Madison avenue, One Hundred and Thirty-fifth to One Hundred and Thirty-seventh street.....	Thomas J. Dunn....	H. H. Spindler.....	B. A. Frazer .....	8 "	1,557 80				
One Hundred and Thirty-ninth street, Tenth avenue to 425 feet west of Boulevard .....	R. McLaughlin .....	R. L. Waters.....	L. A. Russell, Jr. ...	100 "	11,402 82	3,084 00	925 20	2,158 80	
One Hundred and Fortieth street, Seventh to Eighth avenue.....	John J. Farley.....	R. Amerman.....	R. V. Davis.....	75 "	3,562 90				
One Hundred and Forty-second street, Eighth to New avenue.....	Thomas F. Murray..	J. R. Wardlaw.....	James H. Lowery....	60 "	2,247 59				
One Hundred and Forty-fifth street, Sixth avenue to Harlem river....	R. McLaughlin .....	James F. Carey.....	James R. Mount.....	35 "	1,445 89				
One Hundred and Forty-sixth street, Eighth avenue to Harlem river....	Charles V. Hough..	E. L. Vele.....	James Kearney.....	250 "	15,951 60	4,889 55	1,466 86	3,422 69	
One Hundred and Forty-seventh street, Eighth avenue to Harlem river....	Charles V. Hough..	R. Amerman.....	Isaac Smith.....	150 "	14,228 13	9,838 62	2,951 58	6,887 04	Work completed, but not accepted.
One Hundred and Forty-seventh street, Tenth avenue to Boulevard .....	M. Fortunato.....	M. A. Lacy.....	John McCue.....	150 "	15,576 52	13,218 96	3,965 69	9,253 27	
One Hundred and Forty-seventh street, Boulevard to 500 feet west....	Harry Van Zandt..	R. J. Dodge .....	Dennis O. Connor..	110 "	4,595 00				
One Hundred and Forty-ninth street, Tenth avenue to Western Boulevard	William G. Leeson..	E. D. Johnston.....	Edward F. Smith....	200 "	14,259 52				
One Hundred and Eighty-first street, Tenth to Eleventh avenue.....	William G. Leeson..	R. L. Waters.....	Sylvester Bennett..	150 "	14,147 25	12,353 75	3,706 12	8,647 63	Work completed, but not accepted.
Boulevard, west side, Sixty-fifth to Sixty-sixth street.....	A. E. Moran .....	R. L. Waters.....	John McGuire .....	3 "	289 22				Work completed, but not accepted.
<i>Special Contracts.</i>									
Flagging—									
East side Beekman place, Forty-ninth to Fiftieth street.....	Geo. F. Masterson..	E. D. Johnston.....		3 "	166 56				Work not yet commenced.
North Moore street, south side, West Broadway to Varick street....	Geo. F. Masterson..	E. C. Stout .....	Patrick Mooney .....	5 "	284 93				Work completed, but not accepted.
Madison avenue, west side, Ninety-sixth to Ninety-seventh street....	Dennis McGrath....	Thomas Slator.....	Enos W. Corey.....	3 "	36 27				Work completed, but not accepted.
Tenth avenue, west side, Eighty-seventh to Eighty-eighth street .....	Dennis McGrath....	M. A. Lacy.....	Enos W. Corey.....	3 "	159 40				Work completed, but not accepted.
One Hundred and Forty-first street, St. Nicholas to Convent avenue.	Geo. F. Masterson..	R. L. Waters.....	John McGuire .....	5 "	311 54				Work completed, but not accepted.
Southwest corner Canal and Mott streets.....	Thomas J. Dunn....	M. A. Lacy.....	Mark Neary.....	3 "	281 70				Work completed, but not accepted.
Madison avenue, west side, One Hundred and Second to One Hundred and Third street.....	Dennis McGrath....	R. L. Waters.....	David H. Davis.....	3 "	75 14				Work completed, but not accepted.
Regulating and Grading, etc.—									
One Hundred and Eleventh street, Eighth to Manhattan avenue....	Thomas F. Murray..	Thomas Slator.....	James McShane....	75 "	972 90				
Fencing—									
Boulevard, between Eighty-sixth and Eighty-eighth streets.....	F. Thilemann, Jr....	R. Amerman .....	Thomas P. Moore ..	4 "	263 75				Work completed, but not accepted.
Eighty-fourth street, north side, east of Riverside Drive.....	F. Thilemann, Jr....	H. H. Spindler.....	Thomas P. Moore ..	2 "	97 00				Work completed, but not accepted.
Totals ..					\$525,994 16	\$389,903 93	\$116,971 16	\$272,932 77	

## Document "H."

## REPORT OF THE SUPERINTENDENT OF STREETS.

DEPARTMENT OF PUBLIC WORKS,  
BUREAU OF STREETS AND ROADS, ROOM 12, NO. 31 CHAMBERS STREET,  
NEW YORK, July 15, 1890.

THOMAS F. GILROY, Esq., Commissioner of Public Works:

SIR—I transmit herewith report of the work done by this Bureau during the quarter ending June 30, 1890.

Respectfully,

JOHN B. SHEA, Superintendent of Streets.

The following is the work done on macadamized roadways during the quarter ending June 30, 1890:

Roadway resurfaced and repaired.....	28,305 square yards.
Gravel roadway resurfaced.....	1,000 "
Gutters repaved.....	827 "
Flagging relaid.....	1,484 square feet.
Crosswalks cleaned.....	24,640 "
Repairs to sidewalks.....	153 "
Dirt crossings made.....	960 "
Curb reset.....	632 lineal feet.

The roadway and gutters of 26 miles of streets were cleaned at various times during the quarter.

The following material was used by the bureau during the quarter:

Broken trap-stone.....	2,658 truck loads.
Trap-rock screenings.....	960 "
Telford.....	95 "
Gravel.....	1,396 "
Gravel bank screenings.....	880 "
Sand.....	215 "
Earth.....	269 "
Paving stones.....	7 "

The macadam pavement over 18 sewer connections was replaced.

178 truck-loads of stone were broken for macadamizing.

3,910 truck-loads of dirt were removed from macadamized roadways.

The following is the work done on unpaved streets during the quarter ending June 30, 1890:

Roadway macadamized with broken gneiss stone and clay.....	3,293 square yards.
Roadway repaired.....	200 "
Stone-drain cleaned.....	125 lineal feet.
Stone-drain built.....	50 "
Curb reset.....	600 "
Fence built.....	1,380 "
Trees trimmed and cultivated.....	1,524 "
Gutters cleaned and roadway regulated and graded.....	1½ miles.

The following material was used on the above-named work:

Earth.....	982 truck loads.
Broken stone.....	964 "
Building stone.....	25 "
Broken gneiss stone.....	300 "
Cap-stone.....	50 lineal feet.
Gravel.....	52 truck loads.
Lumber.....	11 "

During the quarter the macadam and gravel roads were sprinkled every dry day to the full extent of the facilities for sprinkling at the disposition of this bureau. The cost of this work approximately has been one hundred and twenty dollars per day. The number of miles of streets sprinkled each day has been about twenty.

The following is a statement of the various appropriations under charge of the Bureau of Streets and Roads:

Boulevards, Roads and Avenues, Maintenance of, 1890.....	\$100,000 00
Amount transmitted during the first quarter ending March 31, 1890.....	9,917 23
Balance, April 1, 1890.....	\$90,082 77

Amount transmitted during the second quarter ending June 30, 1890, is as follows:

Pay-roll, Laborers, etc., ending March 31, 1890.....	\$2,540 43
" " April 15, ".....	3,790 09
" " 30, ".....	5,443 52
" " May 15, ".....	7,228 43
" " 31, ".....	7,436 92
" " June 15, ".....	7,155 59
Rental of yard.....	900 00
Tapes.....	10 20
Rubber hose.....	136 00
Cog gearing.....	90 00
Paints.....	43 30
Hardware.....	263 26
Telephone service.....	33 75
Trap-rock stone and screenings and gravel.....	5,598 98
Repairs to sprinklers.....	53 05
Blacksmith's bellows.....	30 50
Horse and wagon.....	180 00
Repairs to roller and wagon.....	27 52
	40,961 54

Balance, July 1, 1890.....\$49,121 23

Roads, Streets and Avenues Unpaved—

Maintenance of and Sprinkling, 1890.....	\$25,000 00
Amount transmitted during the first quarter ending March 31, 1890.....	3,777 31
Balance, April 1, 1890.....	\$21,222 69



Amount transmitted during the second quarter ending June 30, 1890, is as follows :

Pay-roll, Laborers, etc., ending March 31, 1890.....	\$685 25
“ “ “ April 15, “ .....	738 00
“ “ “ May 30, “ .....	823 43
“ “ “ June 15, “ .....	1,031 64
“ “ “ “ “ “ .....	1,104 99
“ “ “ “ “ “ .....	1,040 56
	\$5,423 87
Balance, July 1, 1890.....	\$15,798 82

Boulevards, Roads and Avenues, Maintenance of—Salaries, 1890.....	\$2,500 00
Amount transmitted during the first quarter ending March 31, 1890.....	624 99

Balance, April 1, 1890.....\$1,875 01

Amount transmitted during the second quarter ending June 30, 1890, is as follows :

Pay-roll ending April 30, 1890.....	\$208 33
“ “ May 31, “ .....	208 33
“ “ June 30, “ .....	208 33
	624 99
Balance, June 30, 1890.....	\$1,250 02

The following amount has been transmitted during the second quarter ending June 30, 1890, and charged to Street Improvement Fund :

Final contract.....	\$335 35
Pay-roll Inspectors of Crosswalks.....	189 00
Surveyors' fees.....	964 80
	\$1,489 15

The following is the amount drawn against Restoring and Repaving—Special Fund..\$470 50

### Document “I.”

#### REPORT OF THE SUPERINTENDENT OF LAMPS AND GAS.

DEPARTMENT OF PUBLIC WORKS—BUREAU OF LAMPS AND GAS, }  
NEW YORK, July 8, 1890.

Hon. THOMAS F. GILROY, Commissioner of Public Works :

SIR—Herein I submit a report of the transactions of the Bureau of Lamps and Gas for the quarter ending June 30, 1890.

In Exhibit “A” will be found a statement showing the amounts expended for gas to the various public markets, offices, armories, etc., and for fitting up, lighting and maintenance of the public lamps.

Exhibit “B” is a summary of the appropriation for “Lamps and Gas and Electric Lighting,” showing an expenditure during the quarter of one hundred and sixty-six thousand nine hundred and sixty-three dollars and seventy-six cents (\$166,963.76), with liabilities amounting to sixty-four thousand two hundred and forty-two dollars and fifteen cents (\$64,242.15), leaving an available balance of three hundred and forty-nine thousand five hundred and sixty-two dollars and ninety-eight cents (\$349,562.98).

Exhibit “C” is a summary of the appropriation for “Lamps and Gas and Electric Lighting—Salaries,” showing an expenditure during the quarter of sixteen hundred and twenty-four dollars and ninety-five cents (\$1,624.95), leaving an available balance of thirty-two hundred and ninety-three dollars and eleven cents (\$3,293.11).

Exhibit “D” is a summary of the “Lamp Account,” showing the number of new lamps lighted, old lamps relighted and lamps discontinued by each gas and electric-light company during the quarter ; a total of four hundred and one new gas-lamps and twelve new naphtha-lamps having been fitted up and lighted, seventy-two gas-lamps relighted, one electric-lamp relighted and one hundred and twenty-three gas-lamps discontinued. The total number of lamps lighted at the close of the quarter was twenty-seven thousand eight hundred and sixty-three, being a net increase during the quarter of three hundred and sixty-three.

Exhibit “E” is a statement showing the lowest, highest and average illuminating power of the gases supplied to the city by the several gas companies within reach of our photometric stations.

The following statement will show the average amount of impurities found in the gases of the several gas companies, as determined by the analyses made by E. G. Love, Ph. D., the Gas Examiner, at the laboratories of this Department :

OF WHAT COMPANY.	SULPHUR. (Grs. in 100 cu. ft.)	AMMONIA. (Grs. in 100 cu. ft.)	SULPHURETED HYDROGEN.
Consolidated Gas Co.—			
Branch 1.....	4.71	5.38	None.
Branch 2.....	9.65	9.35	“
Branch 3.....	5.73	0.45	“
Branch 4.....	19.21	11.89	“
Branch 6.....	3.50	0.85	“
New York Mutual Gas-light Co.....	4.66	0.28	Trace.
Equitable Gas-light Co.....	6.24	0.16	None.

The following shows the specific gravity of the gases :

Consolidated Gas Co.—	
Branch 1, specific gravity.....	.571
Branch 2, “.....	.512
Branch 3, “.....	.628
Branch 4, “.....	.513
Branch 6, “.....	.611
New York Mutual Gas-light Co., specific gravity.....	.675
Equitable Gas-light Co., “.....	.699

The following statement will show the average maximum and minimum pressure on the mains of such companies as connect with our photometric stations, as recorded on the pressure registers during the quarter, the average being made for the time during which the public lamps are required to be kept lighted :

OF WHAT COMPANY.	AVERAGE MAXIMUM PRESSURE.	AVERAGE MINIMUM PRESSURE.	WHERE TAKEN.	DISTANCE FROM GAS-WORKS.
Consolidated Gas Co.—	Inches.	Inches.		Miles.
Branch 1.....	1.68	1.64	Cor. of Grand street and Bowery.	1.8 <sup>100</sup>
Branch 2.....	2.56	1.42	“ “	1.8 <sup>100</sup>
Branch 3.....	2.53	1.59	“ “	3.1 <sup>00</sup>
Branch 4.....	1.53	0.88	{ Seventy-ninth street, between } { Second and Third avenues. }	3.1 <sup>00</sup>
Branch 6.....	2.54	1.28	{ Seventy-ninth street, between } { Second and Third avenues. }	1.8 <sup>100</sup>
New York Mutual Gas-light Co....	2.80	1.89	Cor. of Grand street and Bowery.	1.8 <sup>100</sup>
Equitable Gas-light Co.....	2.98	1.58	“ “	2.7 <sup>100</sup>

Contracts for lighting the public gas-lamps, from May 1, 1890, to April 30, 1891, have been executed, as follows :

Equitable Gas-light Co.....	\$12 00 per year for each lamp.
Consolidated Gas Co.....	17 50 “
N. Y. Mutual Gas-light Co.....	17 50 “
Central Gas-light Co.....	27 00 “
Northern Gas-light Co.....	28 00 “
Yonkers Gas-light Co.....	28 00 “
N. Y. & N. J. Globe Gas-light Co.....	22 50 “
* Standard Gas-light Co.....	13 04 <sup>1</sup> / <sub>2</sub> “

The prices paid during the preceding year were as follows :

Equitable Gas-light Co.....	\$12 00 per year for each lamp.
Consolidated Gas Co.....	17 50 “
N. Y. Mutual Gas-light Co.....	17 50 “
Central Gas-light Co.....	27 00 “
Northern Gas-light Co.....	28 00 “
Yonkers Gas-light Co.....	28 00 “
N. Y. & N. J. Globe Gas-light Co.....	23 00 “

Proposals for electric-lighting were received on April 7, rejected on June 26 and new bids advertised for to be received on July 14.

Yours, respectfully,

S. McCORMICK, Superintendent of Lamps and Gas.

#### EXHIBIT “A.”

Statement Showing the Amounts on Vouchers drawn for Gas to the various Public Markets, Armories, etc., and for Fitting up, Maintaining and Lighting the Public Lamps, etc., for the Quarter ending June 30, 1890 :

Washington Market.....	\$799 86
Catharine Country Market.....	38 00
Catharine Meat Market.....	18 88
Fulton Meat Market.....	249 25
Fulton Country Market.....	425 50
Essex Market.....	25 75
Centre Market.....	119 25
Clinton Market.....	108 63
Union Market.....	4 50
Tompkins Market.....	109 75
Jefferson Market.....	97 75
First District Police Court.....	316 50
Second District Police Court.....	79 50
Third District Police Court.....	45 00
Fourth District Police Court.....	96 75
Fifth District Police Court.....	17 25
First District Civil Court.....	1 62
Second District Civil Court.....	4 13
Fourth District Civil Court.....	10 75
Fifth District Civil Court.....	41 63
Sixth District Civil Court.....	1 75
Eighth District Civil Court.....	7 50
Ninth District Civil Court.....	4 25
Brown-stone (Court-room) Building.....	202 01
New Court-house.....	1,278 87
City Hall.....	570 87
Corporation Counsel's Office.....	23 75
Corporation Attorney's Office.....	37 49
Public Administrator's Office.....	2 63
Board of Assessors.....	8 88
Department of Public Works.....	210 13
Department of Taxes.....	9 12
Court of Special Sessions.....	52 13
CITY RECORD Bookbindery.....	5 37
Register's Office.....	115 38
County Jail.....	342 75
Pipe Yard, Rivington Street.....	3 88
Pipe Yard, East Twenty-fourth street.....	4 49
Water Purveyor's Shop, Mulberry street.....	1 12
Water Purveyor's Shop, West Thirtieth street.....	7 50
Water Purveyor's Shop, East Eighty-seventh street.....	4 50
Water Purveyor's Shop, East One Hundred and Twenty-fifth street.....	11 38
South Gate-house.....	46 99
Engine-house, High Water Service, High Bridge.....	98 38
Engine-house, High Water Service, Ninety-eighth street.....	219 25
Clock-tower, Third District Court-house.....	289 50
New York City Civil Service Board.....	4 12
Bureau of Streets and Roads, West One Hundred and Nineteenth street.....	4 26
Corporation Yard, East Sixteenth street.....	5 50
Dog Pound, East One Hundred and Second street.....	5 37
Photometric Station, Grand street.....	11 25
Photometric Station, Seventy-ninth street.....	2 75
Seventh Regiment Armory.....	651 00
Eighth Regiment Armory.....	966 88
Ninth Regiment Armory.....	238 24
Twelfth Regiment Armory.....	443 25
Twenty-second Regiment Armory.....	331 88
Sixty-ninth Regiment Armory.....	172 25
Seventy-first Regiment Armory.....	305 00
First Battery Armory.....	65 25
Second Battery Armory.....	103 00
Brigade Headquarters.....	39 50
Public Bath, Battery.....	4 37
“ Duane street, North river.....	3 75
“ Horatio street, North river.....	3 25
“ Market street, East river.....	2 13
“ Grand street, East river.....	1 25
“ Stanton street, East river.....	5 25
“ Nineteenth street, East river.....	3 63
“ Twenty-seventh street, North river.....	4 87
“ Thirty-seventh street, East river.....	1 75
“ Fifty-first street, East river.....	3 88
“ Seventy-eighth street, East river.....	75
“ One Hundred and Twelfth street, East river.....	2 50
Cartages.....	290 00
Gas examinations.....	386 50
Lighting public markets, etc. (Pay-rolls).....	779 50
Cleaning Photometrical Rooms (Pay-rolls).....	15 00
New lamp-posts.....	630 47
New lamp-posts, Twenty-third and Twenty-fourth Wards.....	1,253 15
New street-lamps.....	2,359 50
New street-lamps, Twenty-third and Twenty-fourth Wards.....	207 00
New Boulevard lamps.....	577 12
New Boulevard lamps, Twenty-third and Twenty-fourth Wards.....	192 38
New lamp-brackets.....	59 00
New crossheads.....	260 00
New lamp-irons.....	220 00
Iron wedges.....	10 00
Glass.....	106 50
Paints, etc.....	11 16
New street-signs.....	187 50
Lettering Boulevard globes.....	48 00
Gas governors.....	600 00
Rent of Photometrical rooms, Grand street.....	150 00
Rent of Photometrical rooms, Seventy-ninth street.....	90 00
Fitting up new lamps.....	1,744 00
Fitting up new lamps, Twenty-third and Twenty-fourth Wards.....	128 00
Resetting and repairing lamp-posts.....	3,147 00
Resetting and repairing lamp-posts, Twenty-third and Twenty-fourth Wards.....	392 00

\* From June 1, 1890, to April 30, 1891.



Lighting public lamps .....	\$87,928 36
Lighting public lamps, Twenty-third and Twenty-fourth Wards.....	37,219 04
Lighting electric-lamps .....	17,691 15
Lighting naphtha-lamps .....	724 43
Total .....	\$166,963 76

## RECAPITULATION.

Gas to public offices, etc.....	\$9,557 00
Supplies to public lamps, etc.....	6,780 25
Supplies to public lamps, etc., Twenty-third and Twenty-fourth Wards.....	1,652 53
Fitting up new lamps .....	1,744 00
Resetting and repairing lamp-posts .....	128 00
Resetting and repairing lamp-posts, Twenty-third and Twenty-fourth Wards.....	3,147 00
Lighting public lamps.....	392 00
Lighting public lamps, Twenty-third and Twenty-fourth Wards.....	87,928 36
Lighting electric-lamps.....	37,219 04
Lighting naphtha-lamps.....	17,691 15
Total .....	724 43
Total .....	\$166,963 76

## EXHIBIT "B."

Summary of the Appropriation for "Lamps and Gas and Electric Lighting," for 1890, Showing the Amount Expended during the Quarter ending June 30, 1890, and the Amount Standing to the Credit of the Appropriation.

Amount appropriated for "Lamps and Gas and Electric Lighting,".....	\$700,000 00
Amount expended during the quarter ending March 31.....	\$119,231 11
Amount expended during the quarter ending June 30.....	166,963 76
	286,194 87
Balance against which no vouchers have been drawn .....	\$413,805 13

## LIABILITIES.

Consolidated Gas Co., lighting public lamps, month of June.....	\$26,367 43
Equitable Gas-light Co., ".....	4,321 30
New York Mutual Gas-light Co., ".....	425 05
Central Gas-light Co., ".....	6,237 14
Northern Gas-light Co., ".....	5,272 64
Yonkers Gas-light Co., ".....	1,299 67
New York and New Jersey Globe Gas-light Co., lighting public lamps, month of June.....	258 75
United States Illuminating Co., lighting electric lamps.....	7,402 96
Brush Electric Illuminating Co., ".....	6,356 20
East River Electric Light Co., ".....	1,430 45
Mount Morris Electric Light Co., ".....	824 11
Harlem Lighting Co., ".....	2,009 95
J. L. Mott Iron Works, 10 flange butts.....	86 00
Wellington Mfg. Co., 400 street-lamps.....	828 00
Birdsall's Express, cartages.....	125 00
Bartlett Lamp Mfg. Co., 250 Boulevard globes.....	427 50
John Fox, 30 Boulevard lamp-posts.....	465 00
Mary Unger, lettering boulevard globes.....	105 00
	64,242 15
Balance available June 30, 1890.....	\$349,562 98

## EXHIBIT "C."

Summary of the Appropriation for "Lamps and Gas and Electric Lighting—Salaries" for 1890, Showing the Amount Expended during the Quarter ending June 30, 1890, with Balance Standing to the Credit of the Appropriation.

Amount of appropriation for "Lamps and Gas and Electric Lighting—Salaries,"....	\$6,900 00
Amount expended during the quarter ending March 31.....	\$1,581 94
Amount expended during the quarter ending June 30.....	1,624 95
	3,206 89
Balance available June 30, 1890.....	\$3,293 11

## EXHIBIT "D."

Summary of the "Lamp Account," Showing the Number of New Lamps Lighted, Old Lamps Relighted and Lamps Discontinued by each Gas and Electric-light Company during the Quarter ending June 30, 1890.

CONSOLIDATED GAS COMPANY, BRANCH 1.			
Number of lamps lighted March 31, 1889.....	3,361		
Number of new lamps lighted during the quarter.....	5		
Number of old lamps relighted during the quarter.....	7	3,373	
Less lamps discontinued during the quarter.....	12		
Less lamps transferred to Equitable Gas-light Co.....	14		26
Number of lamps lighted June 30, 1890.....			3,347
CONSOLIDATED GAS COMPANY, BRANCH 2.			
Number of lamps lighted March 31, 1890.....	1,898		
Number of new lamps lighted during the quarter.....	6		
Number of old lamps relighted during the quarter.....	6	1,910	
Less lamps discontinued during the quarter.....	1		
Less lamps transferred to Equitable Gas-light Co.....	4		5
Number of lamps lighted June 30, 1890.....			1,905
CONSOLIDATED GAS COMPANY, BRANCH 3.			
Number of lamps lighted March 31, 1890.....	2,473		
Number of new lamps lighted during the quarter.....	3		
Number of old lamps relighted during the quarter.....	6	2,482	
Less lamps discontinued during the quarter.....	11		
Less lamps transferred to Equitable Gas-light Co.....	8		19
Number of lamps lighted June 30, 1890.....			2,463
CONSOLIDATED GAS COMPANY, BRANCH 4.			
Number of lamps lighted March 31, 1890.....	3,372		
Number of new lamps lighted during the quarter.....	106		
Number of old lamps relighted during the quarter.....	5	3,483	
Less lamps discontinued during the quarter.....	7		
Less lamps transferred to Equitable Gas-light Co.....	10		17
Number of lamps lighted June 30, 1890.....			3,466

## CONSOLIDATED GAS COMPANY, BRANCH 6.

Number of lamps lighted March 30, 1890.....	6,020		
Number of new lamps lighted during the quarter.....	221		
Number of old lamps relighted during the quarter.....	39	6,280	
Less lamps discontinued during the quarter.....		23	
Number of lamps lighted June 30, 1890.....			6,257
Total number of lamps lighted by Consolidated Gas Company, June 30, 1890.....			17,438

## NEW YORK MUTUAL GAS-LIGHT COMPANY.

Number of lamps lighted March 31, 1890.....	280		
Number of new lamps lighted during the quarter.....	1		
Number of old lamps relighted during the quarter.....	1	282	
Less lamps discontinued during the quarter.....	1		
Less lamps transferred to Equitable Gas-light Co.....	2		3
Number of lamps lighted June 30, 1890.....			279

## EQUITABLE GAS-LIGHT COMPANY.

Number of lamps lighted March 31, 1889.....	3,679		
Number of new lamps lighted during the quarter.....	4		
Number of old lamps relighted during the quarter.....	7		
Number of lamps transferred from Consolidated Gas Co.....	36		
Number of lamps transferred from New York Mutual Gas-light Co.....	2		
Less lamps discontinued during the quarter.....	5	3,728	
Less lamps discontinued on account of electric-lights .....	20		25
Number of lamps lighted June 30, 1890.....			3,703

## CENTRAL GAS-LIGHT COMPANY.

Number of lamps lighted March 31, 1890.....	2,672		
Number of new lamps lighted during the quarter.....	29		
Number of old lamps relighted during the quarter.....	1	2,702	
Less lamps discontinued during the quarter.....		5	
Number of lamps lighted June 30, 1890.....			2,697

## NORTHERN GAS-LIGHT COMPANY.

Number of lamps lighted March 31, 1890.....	2,191		
Number of new lamps lighted during the quarter.....	26		
Number of old lamps relighted during the quarter.....	0	2,217	
Less lamps discontinued during the quarter.....		38	
Number of lamps lighted June 30, 1890.....			2,179

## YONKERS GAS-LIGHT COMPANY.

Number of lamps lighted March 31, 1890.....	557		
Number of new lamps lighted during the quarter.....	0		
Number of old lamps relighted during the quarter.....	0		
Less lamps discontinued during the quarter.....		557	
Number of lamps lighted June 30, 1890.....			557
Total number of gas-lamps lighted June 30, 1890.....			26,853

## NAPHTHA-LAMPS.

## NEW YORK AND NEW JERSEY GLOBE GAS-LIGHT COMPANY.

Number of lamps lighted March 31, 1890.....	126		
Number of new lamps lighted during the quarter.....	12		
Number of old lamps relighted during the quarter.....	0	138	
Less lamps discontinued during the quarter.....		0	
Number of lamps lighted June 30, 1890.....			138
Total number of naphtha-lamps lighted June 30, 1890.....			138

## ELECTRIC-LAMPS.

## BRUSH ELECTRIC ILLUMINATING COMPANY.

Number of lamps lighted March 31, 1890.....	278		
Number of new lamps lighted during the quarter.....	0		
Number of old lamps relighted during the quarter.....	0	278	
Less lamps discontinued during the quarter.....		0	
Number of lamps lighted June 30, 1890.....			278

## UNITED STATES ILLUMINATING COMPANY.

Number of lamps lighted March 31, 1890.....	384		
Number of new lamps lighted during the quarter.....	0		
Number of old lamps relighted during the quarter.....	0	384	
Less lamps discontinued during the quarter.....		0	
Number of lamps lighted June 30, 1890.....			384

## EAST RIVER ELECTRIC-LIGHT COMPANY.

Number of lamps lighted March 31, 1890.....	66		
Number of new lamps lighted during the quarter.....	0		
Number of old lamps relighted during the quarter.....	1	67	
Less lamps discontinued during the quarter.....		0	
Number of lamps lighted June 30, 1890.....			67



The window awnings have been put up in the Finance Department and the offices of the Commissioners of Accounts and Commissioner of Jurors.



## THE MARKETS.

*Washington Market.*

The skylights over Stands Nos. 64, 83 and 129 have been altered, repaired and reglazed, and the roof over Stands Nos. 332, 386 and 37.

*West Washington Market.*

Specifications were prepared and a contract made for repairing and relining with Phelps' triple-coated tin, the gutters, and repairing and painting the entire roofs of the ten buildings in this market. The work has just been finished in accordance with the terms of the contract.

Four of the skylights have been reglazed where needed with hammered glass.

*Fulton Market.*

The partitions of Stands Nos. 12, 14 and 16 have been jacked up and secured and the floor in front of the stands relaid. The door on South street, near Beekman, repaired, and the skylights over Stands Nos. 40, 48 and 61 furnished with new ropes and pulleys and put in complete order.

A new connection was made with the sewer on South street, from the gangway on Beekman street side of the building and a brick basin built to collect the grease which the stand holders and restaurant keepers allow to flow into the sewer-pipes, thereby causing them to be stopped. This has been a constant source of annoyance and expense to this Bureau in trying to keep the pipes clear.

*Tompkins Market.*

The roof has been repaired, new slate put in where needed; the flashings repaired, gutters painted, and new basket-strainers put in the leader-tubes.

The flooring in stands Nos. 89 and 90 has been taken up and a new yellow pine floor laid and caulked, so as to prevent leakage into the basement.

*Clinton Market.*

The roof and valleys on the Washington street side have been repaired, the back of four of the skylights lined with I X tin, 2 galvanized iron water-spouts put in, and the gravel roof over stands Nos. 149, 150, 151 and 152 has been repaired.

*Essex Market.*

A new galvanized iron leader has been put up on the Grand street side of the market, and repairs made to the waste and sewer connections.

*Jefferson Market.*

The doors have been repaired and rehung, new double-acting hinges put in where needed, and new bolts and fastenings furnished.

## THE ARMORIES.

*Headquarters Signal Corps and Troop A.*

The lockers, saddle racks and furniture belonging to these commands were taken down and removed from the Armory at Forty-fifth street and Broadway to the new quarters rented for their use in Dickel's Riding Academy in Fifty-sixth street. The plumbing and gas-fixtures belonging to the city were taken down and removed to the store-room in the New Court-house.

*Second Battery.*

About 4,000 square feet of the old flooring was taken up, and a new yellow pine floor, on chestnut sleepers set 16 inches from centres, laid in its place.

*Seventh Regiment Armory.*

The entire tin roofs and gutters of the building were repaired and painted, the flashings pointed up with roofing cement.

*Sixty-ninth Regiment Armory.*

The lockers in the room of Company G were repaired and furnished with non-interchangeable locks, with master-keys.

*Seventy-first Regiment Armory.*

Forty-six new lockers were put in Company B's room; the old lockers repaired and furnished with new locks, and the work grained and varnished.

## THE COURTS (POLICE AND CIVIL).

*First District Civil Court.*

The roof has been repaired in several places and the new work painted with metallic paint.

*Second District Civil Court.*

A new 15-day time clock has been put up in the Court-room and some law books furnished.

*Fifth District Civil Court.*

The glass in the skylight has been "pounced" and new shades hung on Hartshorn's spring rollers put up on the windows and skylight.

*Sixth District Civil Court.*

A skylight awning and some new window-shades have been put up and the old shades repaired.

*Seventh District Civil Court.*

Rubber matting has been laid in the passageways in the Court-room.

*Ninth District Civil Court.*

New carpet has been laid in the Judge's room, and linoleum in the Clerk's office and part of the Court-room, cocoa matting laid in the hallways, and a reversible desk rug furnished for Judge's bench and chairs for the Court-room and office.

*Tenth District Civil Court.*

Law books have been furnished and repairs made to the plumbing.

*City Court.*

Law books furnished.

*Court of Common Pleas.*

Law books furnished.

*Third District Police Court.*

The roof has been repaired and a new cover put on the scuttle-hole. Repairs have been made to the plumbing; a new book-case put up and painted in parti-color, and the combination changed on the safe lock.

*Fourth District Police Court.*

New holland window-shades have been hung on the windows in the Court-room.

## BRIDGE OVER FOURTH AVENUE, AT FORTY-FIRST STREET.

This bridge has been repaired and painted, new yellow pine steps set in the stair strings on each side of the bridge, and the hand-rail repaired.

## CIVIL SERVICE BOARD.

A new ash cabinet, containing 75 drawers, has been furnished for use of the Secretary of the Board.

## NO. 49 BEEKMAN STREET.

In the office of the Corporation Attorney the walls, ceiling and woodwork have been washed off, plastering repaired, ceiling calcimined, walls painted and hardwood cleaned and varnished.

## NOS. 8, 10 AND 12 CHAMBERS STREET.

A new tin roof was put on the extension of No. 12, and the entire roofs repaired and painted with metallic paint. The east wall of No. 8 was taken down and rebuilt, the beams shored up, a new floor laid in the toilet-room and the walls cased up and painted, and a new gate hung on the entrance to the alley. The plumbing has been overhauled and put in good condition.

## CORPORATION YARDS.

Yard at One Hundredth street and East river.—New gate-posts have been put up and a gate hung and secured with a strong padlock. 8 new signs and 15 new sighting-boards have been furnished for use of Water Purveyor's Bureau. 1 table and 2 chairs have been furnished to each of

the following Repair Shops: Twenty-fourth street and East river, No. 429 East Eighty-seventh street, No. 302 East One Hundred and Twenty-fifth street, No. 134 West Thirtieth street and One Hundred and Nineteenth street and St. Nicholas avenue.

## NO. 448 WEST ONE HUNDRED AND FORTY-SIXTH STREET.

The roof has been repaired, the chimneys pointed up and washed with Portland cement, and flashings repaired and painted.

## ONE HUNDRED AND FIFTY-FIRST STREET, SECOND HOUSE FROM TENTH AVENUE.

The roof has been repaired and painted, the coping reset, the flashings pointed up, the roof of the extension repaired and the work painted with metallic paint. (These two buildings are city property.)

## STEAM APPARATUS.

The following is a list of the public buildings in care of this Bureau, in which steam is used for heating, pumping, ventilating and elevators, with a brief description of the same.

*New Court-house.*

There are four (4) locomotive boilers, each 14 feet long and 5 feet diameter of shell, shell  $\frac{5}{8}$ -inch thick, containing 48 2-inch tubes,  $8\frac{1}{2}$  feet long; grate surface,  $23\frac{1}{4}$  square feet. There are 5 steam double-acting Worthington pumps, with a capacity of 450 gallons per minute. There are 4 large ventilating fans, 62 indirect and 59 direct steam radiators for heating. There are two Otis passenger elevators in the building; 4 horizontal engines, 12 inches by 32 inches stroke of piston. Two of these are in complete working order, having been overhauled and repaired during the past year. In the attic there are 4 iron tanks for water, each to hold 5,000 gallons of water. The building is connected with the New York Steam-heating Company's service in such a manner that the company's steam can be shut off at a moment's notice, and the steam taken from the boilers in the building.

*City Hall.*

There are 82 direct steam radiators in the building, and the steam is supplied by the New York Steam Service Company. There are 3 iron tanks in the attic, with a capacity of 6,000 gallons each. These are kept filled by a Worthington double-acting steam-pump.

*Brown-stone Building.*

One horizontal boiler 12 feet long and 48 inches diameter, with 40 3-inch tubes, 12 feet long; grate surface, 18 square feet.

Two steam double-acting pumps (one Worthington and one Davidson) for pumping water for use of building and elevator.

There are two iron tanks in the attic with a capacity of 1,800 gallons each. The District Attorney's rooms in the basement and first floor are heated by 8 radiators supplied with steam from the boiler, the rest of the building is heated with furnaces and stoves.

*No. 31 Chambers Street.*

There are two horizontal boilers, 10 feet long and 36 inches diameter each containing 36  $2\frac{1}{2}$ -inch tubes, the grate surface in each is 16 feet. There are two Woodward steam-pumps and one Davidson pump.

Three water-tanks, one of wood and two of iron, each holding 2,500 gallons. There is one Keely return steam-trap, a superheater, all complete and in good order.

The building is heated throughout with direct steam radiators.

*Third District Court-house.*

One horizontal boiler, 10 feet long, 48 inches diameter, with 48 3-inch tubes, 10 feet long; grate surface, 25 square feet.

1 Harris donkey pump used for boilers' feed. There are 49 steam (direct) radiators in the building, heating the Second District Police Court and the Third District Civil Court with the rooms connected with the same.

*Fifth District Police Court.*

One locomotive boiler,  $9\frac{1}{2}$  feet long, 36 inches diameter, having 41 2-inch tubes  $6\frac{1}{2}$  feet long; grate surface,  $5\frac{1}{2}$  square feet. The Court-room is heated by 3 direct and 4 indirect radiators.

*Fifth District Civil Court.*

One No. 3 Gorton steam heater with automatic feet attachment; 8 direct steam radiators (all new).

*County Jail.*

One horizontal boiler, 8 feet long, 38 inches diameter, 40  $2\frac{1}{2}$ -inch tubes, 8 feet long; grate surface, 18 square feet. One donkey pump and 14 direct steam radiators.

*Seventh District Court-house.*

One horizontal boiler, 10 feet long, 48 inches diameter, 48 3-inch tubes, 10 feet long; grate surface, 14 square feet. 28 direct radiators in the building heating the Fourth Police and the Seventh District Civil Courts. One iron tank 4 inches by 6 inches by 4 inches and one wooden tank 3 inches by 4 inches by 8 inches, and one hand force pump  $2\frac{1}{2}$  inches by 5 inches.

*Seventh Regiment Armory.*

Five boilers, 4 horizontal boilers, 18 feet long, 50 inches diameter, with 56 3-inch tubes in each; grate surface in each boiler furnace,  $32\frac{1}{2}$  square feet. One donkey boiler, 30 inches by 40 inches, with 60 2-inch tubes, 30 inches long. One steam donkey force pump,  $4\frac{1}{2}$  inches by 8 inches, 96 steam radiators (direct heating).

One 6 horse-power gas engine to new ventilating fan in rifle range, etc.

*Eighth Regiment Armory.*

Two horizontal boilers, 16 feet long, 60 inches diameter, 90 3-inch tubes, 16 feet long in each boiler; grate surface in each, 30 square feet. One donkey boiler, 40 inches 7 feet, 60 2-inch tubes, 48 inches long; furnace, 32 inches. One upright engine 4 inches by 5 inches for running fan in rifle range. One water tank on roof, capacity 1,000. 71 steam radiators (direct), 2 iron cylinder tanks in boiler-room for return steam, each 6 feet long and 36 inches diameter.

*Ninth Regiment Armory.*

Two Gorton steam generators, and 55 radiators.

*Twelfth Regiment Armory.*

Three horizontal boilers, 16 feet long, 52 inches diameter, 56 3-inch tubes in each; grate surface in each, 48 square feet. 2 cylinder tanks, 6 feet by 30 inches. 1 steam donkey pump, 4 inches by 6 inches. 61 steam radiators (direct). 1 gas engine to drive the ventilating fan in the rifle range.

*Twenty-second Regiment Armory.*

Two horizontal steel boilers, 16 feet long, 60 inches diameter, 76 3-inch tubes in each; grate surface in each,  $32\frac{1}{2}$  square feet. 3 steel tanks, 36 inches diameter and 6 feet long, 2 indirect and 65 direct radiators. 2 water-tanks in tower, one 5 inches by 6 inches by 20 inches; the other 5 inches by 12 inches by 6 inches. 1 double acting Worthington steam pump, 6 inches by 4 inches.

*Sixty-ninth Regiment Armory.*

Two horizontal boilers, 14 feet long, 48 inches diameter, 50 3-inch tubes in each boiler; grate surface, 16 feet in each; one donkey pump,  $2\frac{1}{2}$  inches by 6 inches; 52 steam radiators (direct). These boilers were thoroughly repaired last March and new tubes put in both.

The repair of the steam apparatus in the public buildings, including armories, is a charge to this Bureau, and as this charge has increased largely within a few years by the introduction of new steam-heating, pumping and ventilating plants into the Seventh, Eighth and Twelfth Regimental Armories, and also the extensive changes recently made to improve the heating and ventilation of the County Court-house, a practical and experienced steam engineer has been placed in charge of the steam apparatus. His duty requires his continuous inspection of it; the examination and report of its needed repairs; the manner of its care and such directions as may be proper, with a view to its economic and skillful maintenance.

## CONTRACTS AND SPECIFICATIONS.

The Soldiers' Monuments in Calvary and Greenwood Cemeteries—Specifications for the repairing and rebronzing of these monuments were prepared and a contract entered into for the work, which has been completed in accordance with the contract and specifications.

Contracts and specifications have been prepared for painting the rooms of the Supreme Court in the New Court-house and for repairs to the roofs of the Twelfth Regiment Armory. These have been printed and the work will be proceeded with as soon as the contracts are awarded.



## THE FREE FLOATING BATHS.

The baths have been thoroughly overhauled, repaired and painted. The pontoons have been taken out, examined and such of them as needed have been recaulked and sheathed with tar paper and planking and replaced and securely blocked. New hawsers and anchors have been supplied; the gas-fixtures repaired and put in good order. The baths have also been furnished with cleaners' supplies and in all respects thoroughly equipped.

Fifteen free baths have been opened for the public this season. The berthing of the baths begun June 1. The male attendants have been furnished with white caps, each cap having the words "Free Bath, D. P. W." and a number in gold braid, each number being different, so that a complainant may readily identify a keeper who has been guilty of an offense against the rules. The rule requiring male bathers over 14 years of age to supply themselves with suitable bathing dress is being enforced.

The new bath built for the Market Street Bath has been securely moored and is largely patronized; a new bath has also been opened at One Hundred and Thirty-first street, North river. The fifteen baths are located as follows:

North River—Battery, Duane, Horatio, Twenty-seventh, Fiftieth and One Hundred and Thirty-first streets.

East River—Market, Grand, Stanton, Nineteenth, Thirty-seventh, Fifty-first, Seventy-eighth, One Hundred and Twelfth and One Hundred and Thirty-eighth streets.

The number of bathers up to date were as follows:

Males.....	450,324
Females.....	170,640
Total.....	620,964

Very respectfully,

W. G. BERGEN, Superintendent of Repairs and Supplies.

## Document "L."

## REPORT OF THE SUPERINTENDENT OF INCUMBRANCES.

DEPARTMENT OF PUBLIC WORKS—BUREAU OF INCUMBRANCES,  
No. 31 CHAMBERS STREET,  
NEW YORK, July 3, 1890.

Hon. THOMAS F. GILROY, Commissioner of Public Works:

DEAR SIR—I have the honor to make the following report of the business of this Bureau for the quarter ending June 30, 1890 (months of April, May and June):

1,466 complaints of obstructions received and attended to.  
907 seizures and removals of obstructions made.  
2,694 building permits issued.  
433 miscellaneous permits issued.  
5 permits issued to cut down shade-trees.  
311 notices issued to repair defective sidewalks.  
16 notices issued to repair defective vault covers.  
Expense of seizing and removing 907 articles, including 367 loads of dirt, stone, refuse, etc., and throwing in dirt, stone, etc., on premises at various places; removing 96 dead and dangerous trees, stumps and posts, also 299 telegraph poles, and about 6,262,785 lineal feet of electric wire..... \$10,134 39

Total expenses for the quarter..... \$12,020 04

Received from owners for the redemption of seized articles..... \$379 75  
Received from public sale of unredeemed goods, April 2, 1890..... 106 50  
Received from public sale of unredeemed goods, May 7, 1890..... 1,209 80

Total..... \$1,696 05

All of which was duly paid over to the City Chamberlain.

Salary account—Appropriation..... \$7,800 00  
Expended up to June 30, 1890..... 3,610 65

Balance..... \$4,189 35

Appropriation for the removal of obstructions in streets and avenues, including rents for Corporation Yards..... \$40,000 00  
Expended up to June 30, 1890..... 22,003 49

Balance..... \$17,996 51

Respectfully,

MICHAEL F. CUMMINGS, Superintendent of Incumbrances.

## Document "M."

## REPORT OF THE WATER REGISTER.

BUREAU OF WATER REGISTER, No. 31 CHAMBERS STREET,  
NEW YORK, June 30, 1890.

Hon. THOS. F. GILROY, Commissioner of Public Works:

SIR—I herewith transmit statement of moneys received for water rents, penalties and taps, for the quarter ending June 30, 1890:

	Principal.	Penalties.	Taps.
April.....	\$145,015 61	\$546 15	\$1,910 00
May.....	330,426 83	426 45	1,493 50
June.....	307,019 53	275 70	1,252 50
Total.....	\$782,461 97	\$1,248 30	\$4,656 00

Total..... \$788,366 27

Deposit to the credit of "Water-meter Fund, No. 2"—

April.....	\$87 85
May.....	139 47
June.....	1,330 61
Total.....	\$1,557 93

"Special Fund—Repairing Streets"—

April.....	\$1,254 00
May.....	928 00
March.....	871 00
Total.....	\$3,053 00

Respectfully submitted,

JOSEPH RILEY, Water Register.

DEPARTMENT OF PUBLIC WORKS,  
COMMISSIONER'S OFFICE, No. 31 CHAMBERS STREET,  
NEW YORK, August 9, 1890.

In accordance with the provisions of section 51 of chapter 410 of the Laws of 1882, the Department of Public Works makes the following report of its transactions for the week ending August 2, 1890:

## Public Moneys Received during the Week.

For Croton water rents.....	\$168,208 74
For penalties on water rents.....	127 90
For tapping Croton pipes.....	279 00
For sewer connections.....	811 30
For restoring and repaving—Special Fund.....	760 00
For redemption of obstructions seized.....	16 75
For vault permits.....	6,686 07

Total..... \$176,889 76

## Public Lamps.

11 new lamps lighted.  
2 old lamps relighted.  
2 lamps discontinued.  
13 lamp-posts removed.  
5 lamp-posts reset.  
25 lamp-posts straightened.  
3 columns refitted.  
20 columns releaded.

Report of Photometrical Examinations of Illuminating Gas, for the week ending August 2, 1890, made at the Photometrical Rooms of the Department of Public Works.

DATE.	TIME.	Thermometer.	Barometer.	GAS COMPANY.	BURNER.	Pressure as Delivered to Burner.	Consumption of Gas, Rate per hour.	Consumption of Candle, Grs. per hour.	ILLUMINATING POWER.	
									Observed.	Corrected.
July 28	2.30 P.M.	84	30.21	{ Consolidated, } Branch 2..	Bray's Slit Union, 7	.73	5.00	123.0	19.60	20.09
" 29	3 P.M.	84	30.19	"	"	.74	5.00	120.0	20.62	20 62
" 30	4.30 P.M.	88	30.15	"	"	.74	5.00	114.9	21.70	20.79
" 31	2 P.M.	87	29.98	"	"	.74	5.00	126.0	19.64	20.62
Aug. 1	12.30 P.M.	89	30.10	"	"	.75	5.00	120.0	21.14	21.14
" 2	4 P.M.	88	30.20	"	"	.75	5.00	123.0	18.20	18.65
									Average.	20.32
July 28	2 P.M.	84	30.21	{ Consolidated, } Branch 1..	Bray's Slit Union, 7	.81	5.00	120.0	21.90	21.90
" 29	3.30 P.M.	84	30.19	"	"	.80	5.00	117.0	23.06	22.48
" 30	4 P.M.	88	30.15	"	"	.80	5.00	115.4	24.62	23.67
" 31	2.30 P.M.	87	29.98	"	"	.80	5.00	120.0	23.44	23.44
Aug. 1	1 P.M.	89	30.10	"	"	.80	5.00	124.2	22.70	23.49
" 2	4.30 P.M.	88	30.20	"	"	.80	5.00	120.0	21.70	21.70
									Average.	22.78
July 28	5.30 P.M.	84	30.24	{ Consolidated, } Branch 4..	Bray's Slit Union, 6	.68	5.00	126.0	21.00	22.05
" 29	11.30 A.M.	83	30.21	"	"	.67	5.00	120.0	23.66	23.66
" 30	10 A.M.	82	30.20	"	"	.67	5.00	121.5	23.90	24.18
" 31	9 A.M.	84	30.02	"	"	.67	5.00	118.8	24.08	23.84
Aug. 1	9 A.M.	87	30.07	"	"	.66	5.00	120.0	23.54	23.54
" 2	11.30 A.M.	82	30.21	"	"	.68	5.00	114.0	23.80	22.61
									Average.	23.31
July 28	6 P.M.	84	30.24	{ Consolidated, } Branch 6..	Bray's Slit Union, 6	.76	5.00	114.0	27.90	26.50
" 29	11 A.M.	83	30.21	"	"	.76	5.00	114.0	28.60	27.17
" 30	9.30 A.M.	82	30.20	"	"	.76	5.00	120.0	27.44	27.44
" 31	9.30 A.M.	84	30.02	"	"	.76	5.00	114.0	28.20	26.79
Aug. 1	8.30 A.M.	87	30.07	"	"	.76	5.00	121.2	26.82	27.09
" 2	12 M.	82	30.21	"	"	.76	5.00	114.0	27.10	25.74
									Average.	26.79
July 28	3 P.M.	84	30.21	{ Consolidated, } Branch 3..	Bray's Slit Union, 7	.86	5.00	122.4	28.90	29.48
" 29	4 P.M.	84	30.19	"	"	.86	5.00	120.0	28.92	28.92
" 30	3.30 P.M.	88	30.15	"	"	.86	5.00	119.0	28.90	28.66
" 31	3 P.M.	87	29.98	"	"	.86	5.00	121.8	28.12	28.54
Aug. 1	1.30 P.M.	89	30.10	"	"	.86	5.00	120.0	28.40	28.40
" 2	3.30 P.M.	88	30.20	"	"	.86	5.00	125.4	27.20	28.42
									Average.	28.74
July 28	3.30 P.M.	84	30.21	N. Y. Mutual...	Bray's Slit Union, 7	.91	5.00	120.0	29.80	29.80
" 29	4.30 P.M.	84	30.19	"	"	.91	5.00	121.8	29.82	30.27
" 30	3 P.M.	88	30.15	"	"	.92	5.00	121.2	29.34	29.59
" 31	3.30 P.M.	87	29.98	"	"	.92	5.00	120.0	30.14	30.14
Aug. 1	2 P.M.	89	30.10	"	"	.91	5.00	123.0	30.22	30.97
" 2	3 P.M.	88	30.20	"	"	.91	5.00	120.0	29.20	29.20
									Average.	29.99
July 28	4 P.M.	84	30.21	Equitable.....	Bray's Slit Union, 7	.90	5.00	121.8	29.10	29.54
" 29	5 P.M.	84	30.19	"	"	.90	5.00	120.0	28.44	28.44
" 30	2.30 P.M.	88	30.15	"	"	.90	5.00	121.5	27.10	27.44
" 31	4 P.M.	87	29.98	"	"	.90	5.00	117.6	28.82	28.24
Aug. 1	2.30 P.M.	89	30.10	"	"	.90	5.00	120.0	28.62	28.62
" 2	2.30 P.M.	88	30.20	"	"	.90	5.00	117.0	27.70	27.01
									Average.	28.21

E. G. LOVE, Ph. D., Gas Examiner.

## Permits Issued.

60 permits to tap Croton pipes.  
46 permits to open streets.  
25 permits to make sewer connections.



28 permits to repair sewer connections.  
165 permits to place building material on streets.  
20 permits—special.  
11 permits to construct street vaults.

Obstructions Removed.

67 obstructions removed from various streets and avenues.

Pavement Repairs.

11,478 square yards of pavement repaired during the week.

Repairing and Cleaning Sewers.

20 receiving-basins relieved.  
94 receiving-basins and culverts cleaned.  
9,116 lineal feet of sewer cleaned.  
270 lineal feet of sewer relieved.  
6 lineal feet of pipe-sewer laid.  
6 lineal feet of spur-pipe laid.  
9 lineal feet of new curb set.  
1 new receiving-basin built.  
36 manhole heads reset.  
3 new manhole heads and covers put on.  
4 new manhole covers put on.  
4 new basin covers put on.  
22 square yards of flagging relaid.  
26 square yards of pavement relaid.  
81 cubic feet of brickwork built.  
63 cubic yards of earth excavated and refilled.  
299 cart-loads of dirt removed.

Statement of Laboring Force Employed in the Department of Public Works during the week ending August 2, 1890.

NATURE OF WORK.	MECHANICS.	LABORERS.	TEAMS.	CARTS
Aqueduct—Repairs and Maintenance and Strengthening.....	30	94	6	5
Laying Croton Pipes.....	..	..	..	..
Supplying Water to Shipping.....	6	..	..	..
Repairing and Renewals of Pipes, Stop-cocks, etc.....	69	184	3	17
Bronx River Works—Maintenance and Repairs.....	2	20	2	..
Repairing and Cleaning Sewers.....	13	54	..	23
Repairs and Renewals of Pavement.....	220	282	5	78
Boulevards, Roads and Avenues, Maintenance of.....	20	85	20	6
Roads, Streets and Avenues.....	2	24	9	..
Totals.....	362	743	45	129
Increase over previous week.....	1	..	..	..
Decrease from previous week.....	..	8	1	..

Contracts Entered Into.

DATE.	NATURE AND LOCATION OF WORK.	CONTRACTOR.	SURETIES.	ESTIMATED COST.
1890. Aug. 2	Furnishing and delivering cast-iron water-pipes, branch-pipes and special castings.....	M. J. Drummond, 133 West 94th street.	Thomas E. Armstrong, 133 West 121st street M. S. Coleman, 38 East 69th street...	\$13,630 00

Assessment Lists Made.

DATE.	NATURE OF WORK.	LOCATION OF WORK.	AMOUNT.
1890. July 23	Sewer.....	In Washington street, between Beach and North Moore streets.....	\$1,226 50
" 31	Flagging, etc.....	Madison avenue, from One Hundred and Thirty-fifth to One Hundred and Thirty-seventh street.....	1,670 40
" 31	Regulating and grading.....	One Hundred and Eighty-first street, from Tenth to Eleventh avenue.....	16,038 53
Aug. 1	Sewer.....	In One Hundred and Forty-third street, between Eighth and Bradhurst avenues.....	1,985 06
" 1	".....	In One Hundredth street, between Fourth and Madison avenues.....	2,625 64

Appointed.

James Murphy, Inspector of Paving.  
Robert T. Creamer, Inspector of Paving.

Requisitions on the Comptroller.

The total amount of requisitions drawn by the Department on the Comptroller during the week is \$67,009.19.

Very respectfully,  
THOS. F. GILROY, Commissioner of Public Works.

FINANCE DEPARTMENT.

Abstract of transactions of the Finance Department for the week ending August 16, 1890:

Deposited in the Treasury.

To the Credit of the Sinking Fund.....	\$175,572 91
" City Treasury.....	1,224,119 42
Total.....	\$1,399,692 33

Bonds Issued.

Three per cent. Bonds.....	\$267,000 00
Three and one-half per cent. Bonds.....	200,000 00
Total.....	\$467,000 00

Warrants Registered for Payment.

The Mayoralty— Salaries and Contingencies—Mayor's Office.....	\$17 52
The Finance Department— Cleaning Markets.....	\$1,581 52
Contingencies—Comptroller's Office.....	170 48
Salaries—Finance Department.....	90 00
Total.....	1,842 00

Interest on the City Debt.....	\$67 50
State Taxes and Common Schools for the State.....	200,000 00
Aqueduct Commissioners— Additional Water Fund.....	3,079 44
The Law Department— Contingencies—Law Department.....	142 14
The Department of Public Works— Aqueduct—Repairs, Maintenance and Strengthening.....	\$5,909 09
Boring Examinations for Grading and Sewer Contracts.....	56 50
Boulevards, Roads and Avenues, Maintenance of.....	1,624 18
Bronx River Works—Maintenance and Repairs.....	360 00
Contingencies—Department of Public Works.....	100 00
Croton Water Fund.....	730 19
Free Floating Baths.....	22 75
Fund for Viaduct from St. Nicholas Place to McComb's Dam Bridge.....	33 00
Lamps and Gas and Electric Lighting.....	2,127 75
Public Buildings—Construction and Repairs.....	416 35
Removing Obstructions in Streets and Avenues.....	1,103 40
Repairing and Renewal of Pipes, Stop-cocks, etc.....	4,800 14
Repairs and Renewal of Pavements and Regrading.....	7,322 70
Repaving (chapter 346, Laws of 1889).....	439 45
Restoring and Repaving—Special Fund—Department of Public Works.....	1,475 00
Roads, Streets and Avenues Unpaved, Maintenance of, and Sprinkling.....	575 49
Retaining-walls in East Fifty-first Street and East Forty-second Street.....	1,077 50
Salaries—Department of Public Works.....	2,632 00
Sewers—Repairing and Cleaning.....	1,632 70
Street Improvement Fund, June 15, 1886.....	20,078 30
Street Improvements—For Surveying, Monumenting and Numbering Streets.....	45 00
Supplies for and Cleaning Public Offices.....	1,143 25
Water Meter Fund No. 2.....	958 28
Total.....	54,663 02

The Department of Public Parks— Central Park, Construction of.....	\$63 84
Cromwell's Creek Bridges and Bridges other than those of Harlem River and Bronx River.....	16 30
Harlem River Bridges—Repairs, Improvements and Maintenance.....	78 27
Local Improvement Fund—Contracts prior to January 1, 1885.....	1,089 00
Maintenance and Government of Parks and Places.....	11,746 59
Maintenance—Twenty-third and Twenty-fourth Wards.....	1,971 65
Metropolitan Museum of Art, Completion of.....	2,672 67
Morningside Park, Construction of.....	1 25
Morningside Park, for the Improvement and Maintenance of.....	128 48
Mount Morris Park, Construction of.....	24 00
Music—Central Park and the City Parks.....	2,803 00
New Parks North of Harlem River.....	298 31
Restoring and Repaving—Special Fund—Department of Public Parks.....	5 63
Riverside Park and Avenue, for the Improvement and Maintenance of.....	374 36
Riverside Park, Construction of.....	831 06
Sewers and Drains—Twenty-third and Twenty-fourth Wards.....	180 86
Street Improvement Fund, June 15, 1886.....	7,401 65
Surveying, Laying-out, etc., Tax and Assessment Maps—Twenty-third and Twenty-fourth Wards.....	21 12
Surveys, Maps and Plans.....	122 36
Van Cortlandt Park—Parade Ground, Construction of.....	52 75
Total.....	29,883 15

The Department of Public Charities and Correction— Public Charities and Correction.....	29,347 84
--	-----------

The Health Department— Health Fund—For Contingent Expenses.....	\$14 15
Health Fund—For Disinfection.....	1 90
Hospital Fund—Hospital Supplies, Improvements, Care and Maintenance of Buildings and Hospitals on North Brother Island.....	3,186 08
Total.....	3,202 13

The Police Department— Police Fund.....	9 25
--	------

The Department of Street Cleaning— Cleaning Streets—Department of Street Cleaning.....	18,184 61
---	-----------

The Fire Department— Fire Department Fund.....	7,380 63
---	----------

The Department of Docks— Dock Fund.....	18,826 63
--	-----------

The Board of Education— College of the City of New York.....	\$95 85
Public Instruction.....	25,925 83
School-house Fund.....	8,390 14
Total.....	34,411 82

Advertising, Printing, Stationery and Blank Books— Advertising.....	\$69 20
Printing, Stationery and Blank Books.....	1,133 34
Publication of the CITY RECORD.....	3,098 49
Total.....	4,301 03

The Sheriff— Support of Prisoners in County Jail.....	542 05
--	--------

Asylums, Reformatories and Charitable Institutions— New York Catholic Protectory.....	\$19,243 50
New York Infant Asylum.....	8,771 72
New York Infirmary for Women and Children.....	375 00
Nursery and Child's Hospital.....	7,044 35
Total.....	35,434 57

Miscellaneous Purposes— Armory Fund—Seventy-first Regiment.....	\$438,935 00
Criminal Court-house Fund.....	25,608 00
Dog License Fund.....	56 00
Forfeited Recognizances.....	500 00
Fund for Street and Park Openings.....	1,456 40
Judgments.....	1,566 02
New Parks Fund.....	5,250 00
Refunding Interest and Charges on Lands sold for Taxes and Assessments.....	20 70
Refunding Taxes Paid in Error.....	41 20
Tax Sales—Moneys Refunded.....	549 30
Total.....	473,982 62
Total.....	\$915,317 95



CONTRACTS REGISTERED FOR THE WEEK ENDING AUGUST 16, 1890.

No.	DATE OF CONTRACT.	DEPARTMENT.	NAMES OF CONTRACTORS.	NAMES OF SURETIES.	AMOUNT OF BOND.	DESCRIPTION OF WORK.	COST.
10634	July 29, 1890	Docks .....	The North American Dredging and Improvement Co.	H. A. V. Post ..... Caleb B. Knevals.....	\$3,500 00	Dredging for a new pier at foot of West Forty-ninth street, North river .....	\$13,475 00
10635	Aug. 4, "	Public Works (Bond).....	The Barber Asphalt Paving Co .....	John O'Brien..... Heman Clark.....	700 00	Regulating and paving with asphalt pavement, on the present pavement, the triangular space at the junction of Seventy-second street, the Boulevard and Tenth avenue.....	975 00
10636	" 7, "	Public Works..... (Repaving under chapter 449, Laws of 1889.)	Michael Fitzgerald.....	John Brosen..... Charles Guidet.....	5,000 00	Regulating and paving with granite-block, with concrete foundation, the carriageway of Eleventh avenue, between Twenty-seventh and Thirtieth streets.....	18,875 65
10637	" 7, "	Public Works..... (Repaving under chapter 449, Laws of 1889.)	" .....	John Brosen..... Charles Guidet.....	2,000 00	Regulating and paving with granite-block, with concrete foundation, the carriageway of Twenty-sixth street, from Tenth to Eleventh avenue .....	8 250 68
10638	" 11, "	Public Works.....	Thomas F. Murray.....	John Murray .....	800 00	Sewer in Madison avenue, between One Hundred and Twenty-eighth and One Hundred and Twenty-ninth streets.....	1,155 50
10639	" 11, "	Public Works.....	" .....	John Murray.....	1,500 00	Sewer in One Hundred and Twenty-sixth street, between Tenth avenue and Boulevard .....	2,289 00
10640	" 5, "	Public Works .....	John G. Smith .....	John F. Moore..... James Fitzpatrick.....	6,000 00	Regulating and paving with granite-block, with concrete foundation, the carriageway of Mangin street, from Grand to Houston street.....	16,011 40
10641	" 5, "	Public Works..... (Repaving under chapter 449, Laws of 1889.)	" .....	John F. Moore..... James Fitzpatrick.....	3,000 00	Regulating and paving with granite-block, with concrete foundation, the carriageway of Lewis street, from Delancey to Houston street.....	11,798 60
10642	" 5, "	Public Works..... (Repaving under chapter 449, Laws of 1889.)	" .....	John F. Moore..... James Fitzpatrick.....	1,200 00	Regulating and paving with trap-block pavement, with concrete foundation, the carriageway of Nineteenth street, from Tenth avenue to about 300 feet westerly .....	2,807 00
10643	" 5, "	Public Works..... (Repaving under section 321 of the Consolidation Act of 1882.)	" .....	John F. Moore..... James Fitzpatrick.....	1,000 00	Regulating and paving with granite-block, with concrete foundation, the carriageway of Washington street, from Houston to Clarkson street, and from King to Charlton street.....	4,085 00
10644	July 23, "	Public Works.....	William Minnick.....	J. O. Shumway .....	1,000 00	Furnishing materials and performing work in the painting and calclmining rooms of the Supreme Court-house, City Hall Park.....	1,847 00
10645	Aug. 2, "	" .....	M. J. Drummond .....	M. S. Coleman..... Thomas E. Armstrong.....	6,000 00	Furnishing cast-iron water-pipes, branch-pipes and special castings, Estimate .....	13,630 00
10646	" 4, "	" .....	John Cornwell, Jr.....	Moses Mehrbach .....	3,000 00	Laying water-mains in Tenth, Honeywell, Daily and First avenues, in Eighty-ninth, Ninety-sixth, One Hundred and Third, One Hundred and Ninth, One Hundred and Twelfth, One Hundred and Twenty-sixth, One Hundred and Thirty-sixth, One Hundred and Thirty-seventh, One Hundred and Fortieth, One Hundred and Forty-ninth, One Hundred and Seventy-sixth, High Bridge and Samuel streets.....	4,551 05
10647	" 4, "	" .....	F. Thilemann, Jr.....	Richard J. Mahoney..... Isaac A. Hopper.....	2,000 00	Relaying water-mains in Gerard avenue, One Hundred and Sixty-first, One Hundred and Fifty-sixth, One Hundred and Fifty-fifth, One Hundred and Thirtieth streets and Boulevard .....	2,952 05
10648	" 5, "	" .....	William S. Wynn .....	Michael F. Wynn..... Laughlin Tynan .....	1,000 00	Furnishing materials and labor for repairing and painting the roofs of the Twelfth Regiment Armory.....	1,685 00

## SUITS, ORDERS OF COURT, JUDGMENTS, ETC.

COURT.	NAME OF PLAINTIFF.	AMOUNT.	NATURE OF ACTION.	ATTORNEY.
Supreme..	William V. Garrett and others .....	\$400 00	Certified copy order directing payment of award for Parcels 91 and 92, in matter of Pelham Bay Park, etc. ....	W. V. Garrett.
" ..	John R. Paige and ors. vs. The Mayor, etc., John O'Brien and others .....	349,261 00	Notice of pendency of action and summons and notice, complaint not served.....	L. L. Kellogg.
" ..	The People ex rel. Thomas M. Wheeler vs. The Comptroller, etc.....	.....	Copy order to show cause why peremptory mandamus should not issue commanding the Comptroller to cancel taxes—1885 to 1882—on certain lots therein designated, belonging to Frederick and Catharine Boos, in the Twelfth Ward .....	T. M. Wheeler.
" ..	John S. Ellis.....	600 00	For award made for Lot 392, in matter of Pelham Bay Park, etc. ....	John Berry.
Com. Pleas	James Leary.....	600 00	Summons and complaint. For salary Assistant Dump Inspector, Department of Street Cleaning, from September 23, 1889, to July 23, 1890.....	J. M. Smith.
Supreme..	Mary M. Gouverneur and others, trustees, etc.....	.....	Summons and complaint. For damages for drawing off the waters of Lake Gilead, in the Town of Carmel, Putnam County...	Warner & Frayer.

## CLAIMS FILED.

DATE.	NAME OF CLAIMANT.	AMOUNT.	NATURE OF CLAIM.	ATTORNEY.
Aug. 11	John S. Ellis.....	\$600 00	For award made by Commissioners Map No. 292, in matter of Pelham Bay Park, etc.....	John Berry.
" 12	James Gavigan .....	10,000 00	For damages for personal injuries received by being kicked in the face by a horse owned by the Mayor, etc.....	McCarthy, L. & B.
" 12	George F. Doak .....	15,000 00	For damages, and for extra work, etc., under contract for sewer in Park avenue, between One Hundred and Sixth and One Hundred and Third streets .....	L. L. Kellogg.
" 15	Albert W. Lemcke, ex'r, etc.....	77 55	For repayment of amount paid by him for Croton water rent on premises on south side One Hundred and Twenty-sixth street, 100 feet east of Eighth avenue, leased to the Mayor, etc.....	Straley, H. & S.

## Opening of Proposals.

The Comptroller, by representative, attended the opening of proposals at the following Departments, viz.:

August 12. The Department of Public Works—For regulating, grading, curbing, flagging, etc., in the several streets and avenues enumerated in the advertisement of said Department, dated July 28, 1890, published in the CITY RECORD.

August 13. The Fire Department—For repairing the building used as quarters for Engine Co. No. 7, at Nos. 22 and 24 Chambers street, and for repairing one Amoskeag steam fire engine.

August 14. The Department of Docks—For building new wooden pier at foot of West One Hundred and Thirty-third street, for building new crib-bulkhead at foot of West One Hundred and Thirty-third street and between West One Hundred and Thirty-third and One Hundred and Thirty-second streets, and for dredging thereat.

## Approval of Sureties.

The Comptroller approved of the adequacy and sufficiency of the sureties on the following proposals, viz.:

August 11. For furnishing the Department of Public Charities and Correction with groceries. Thomas E. Byrnes, Mamaroneck, N. Y., Principal. Edward G. Byrnes, No. 218 Front street, } Sureties. Michael J. Mahony, No. 126 West Eighty-seventh street, } Sureties. Thurber, Whyland & Co., West Broadway and Reade street, Principals. Robert J. Dean, No. 147 West Seventy-ninth street, } Sureties. James S. Barron, No. 329 West Twenty-second street, } Sureties.

August 11. For sewers in Madison avenue, between One Hundred and Twenty-eighth and One Hundred and Twenty-ninth streets, and in One Hundred and Twenty-sixth street, between Tenth avenue and Boulevard.

Thomas F. Murray, No. 2349 Tenth avenue, Principal.

John Murray, No. 2349 Tenth avenue, } Sureties. John Ryan, One Hundred and Twenty-ninth street, between Eleventh and Twelfth avenues, }

August 11. For regulating and paving (trap-block), etc., One Hundred and Forty-second street from Third to Brook avenue.

John White, No. 536 West Fortieth street, Principal.

Patrick Keating, No. 505 Tenth avenue, } Sureties. John Brosen, No. 408 West Fifty-sixth street, }

August 11. For sewer and appurtenances in One Hundred and Sixty-third street, from Washington to Third avenue.

P. V. Murray, Robbins and Westchester avenues, Principal.

William Ebling, No. 828 Cauldwell avenue, } Sureties. B. C. Murray, No. 648 St. Ann's avenue, }

August 12. For furnishing, operating and maintaining electric lamps from May 1, 1890, to April 30, 1891.

Mount Morris Electric Light Co., Principal.

Horace K. Thurber, West Broadway and Reade street, } Sureties. William Hills, No. 79 Park place, }

August 12. For dredging at Pier, new 57, for a new pier, No. 58, and at Pier, new 59, North river, and for dredging for a new pier at foot of West Fifty-second street.

Charles Du Bois, No. 119 South street, Principal.

Henry E. Du Bois, No. 286 Carroll street, Brooklyn, } Sureties. Abraham Du Bois, No. 119 South street, }

August 12. For sewer in Madison avenue, between One Hundred and Thirty-first and One Hundred and Thirty-second streets, and between One Hundred and Twenty-ninth and One Hundred and Thirtieth streets, and in Ninety-first street, between Tenth avenue and summit east.

John Slattery, No. 368 Park avenue, Principal.

Thomas F. Leamy, No. 609 Lexington avenue, } Sureties. Richard W. Buckley, No. 58 East Seventy-third street, }

Approved by Deputy Comptroller.

August 15. For repairs to sewer in One Hundred and Fourth street, between Third and Lexington avenues.

John Kenny, No. 342 West Eighteenth street, Principal.

Alexander J. Shields, No. 127 Ninth avenue, } Sureties. John Murray, No. 2319 Tenth avenue, }

August 15. For sewer in First avenue, between Forty-fifth and Forty-sixth streets.

Lawrence Rock, No. 459 West Fortieth street, Principal.

Patrick Reilly, No. 39 Sutton place, } Sureties. Michael Phelan, No. 538 Tenth avenue, }

August 15. For furnishing, operating and maintaining electric lamps from May 1, 1890, to April 30, 1891.

Brush Electric Illuminating Co., "Times" building, Principal.

Caleb H. Jackson, No. 571 Fifth avenue, } Sureties. David L. Einstein, No. 39 West Fifty-seventh street, }

Harlem Lighting Company, Principal. Felix L. Bauer, No. 32 East Sixty-fifth street, } Sureties. Abraham Herrman, No. 59 West Fifty-sixth street, }

August 15. For repairing Amoskeag Steam Fire Engine No. 517.

La France Fire Engine Co., Elmira, N. Y., Principal.

Amadee Spadone, No. 9 West Eighty-second street, } Sureties. Dorman T. Warren, No. 170 West Fifty-ninth street, }

August 15. For flagging and reflagging, curbing and recurbings One Hundred and Eleventh street, from Madison to Fifth avenue; Ninety-sixth street, from Eighth avenue to Boulevard; Seventy-fourth street, from Fifth to Lexington avenue, and Sixtieth street, from First avenue to Avenue A.

Thomas Callanan, No. 1603 Second avenue, Principal.

Thomas Regan, No. 719 Lexington avenue, } Sureties. John Fleming, No. 175 East Eighty-second street, }

August 15. For regulating and paving (trap-block), etc., Boston avenue, from One Hundred and Sixty-seventh to Jefferson street, and One Hundred and Sixty-fifth street, from Boston road to Trinity avenue.

William J. Clark, No. 339 East Sixty-third street, Principal.

James Baird, No. 273 West Seventy-third street, } Sureties. Matthew Baird, No. 339 East Sixty-third street, }

## Return of Proposals.

August 13. Proposal of J. Moore, for constructing pipe-sewer at Bellevue Hospital, returned to the Department of Public Charities and Correction for action on the proposed substitution of John McQuade and August Braun as sureties thereon in the place of P. McGinness and J. A. Lane, the original sureties.

August 15. Proposal of D. Schmidt, for furnishing the Department of Public Charities and Correction with groceries, returned to said Department for action on the proposed substitution of Henry Greschen as a surety thereon in the place of H. F. C. Schrader, one of the original sureties.







Tenth District—Twenty-third and Twenty-fourth Wards. Court-room, corner of Third avenue and One Hundred and Fifty-eighth street.

Office hours, from 9 A.M. to 4 P.M. Court opens at 9 A.M.

ANDREW J. ROGERS, Justice  
Eleventh District—Twenty-second Ward, and all that portion of the Twelfth Ward which is bounded on the north by the centre line of One Hundred and Tenth street, on the south by the centre line of Eighty-sixth street, on the east by the centre line of Sixth avenue, and on the west by the North river. Court-room, No. 919 Eighth avenue. Court open daily (Sundays and legal holidays excepted) from 9 A.M. to 4 P.M.

THOMAS E. MURRAY, Justice.

#### POLICE COURTS.

Judges—MAURICE J. POWER, J. HENRY FORD, JACOB M. PATTERSON, JAMES T. KILBRETH, JOHN J. GORMAN, HENRY MURRAY, SOLON B. SMITH, ANDREW J. WHITE, CHARLES WELDE, DANIEL O'REILLY, PATRICK G. DUFFY, DANIEL F. McMAHON, EDW. HOGAN, JOHN COCHRANE, CHARLES N. TANTOR.

GEORGE W. CREGIER, Secretary.  
Office of Secretary, Fifth District Police Court, One Hundred and Twenty-fifth street, near Fourth avenue.  
First District—Tomb, Centre street.  
Second District—Jefferson Market.  
Third District—No. 69 Essex street.  
Fourth District—Fifty-seventh street, near Lexington avenue.

Fifth District—One Hundred and Twenty-fifth street, near Fourth avenue.  
Sixth District—One Hundred and Fifty-eighth street and Third avenue.

#### POLICE DEPARTMENT.

POLICE DEPARTMENT—CITY OF NEW YORK,  
OFFICE OF THE PROPERTY CLERK (Room No. 9),  
No. 300 MULBERRY STREET,  
NEW YORK, 1890.

OWNERS WANTED BY THE PROPERTY  
Clerk of the Police Department of the City of New York, No. 300 Mulberry street, Room No. 9, for the following property, now in his custody, without claimants: Boats, rope, iron, lead, male and female clothing, boots, shoes, wine, blankets, diamonds, canned goods, liquors, etc., also small amount money taken from prisoners and found by patrolmen of this Department.  
JOHN F. HARRIOT,  
Property Clerk.

#### CIVIL SERVICE SUPERVISORY AND EXAMINING BOARDS.

NEW YORK CITY CIVIL SERVICE BOARDS,  
COOPER UNION,  
NEW YORK, August 19, 1890.  
AN OPEN COMPETITIVE EXAMINATION FOR  
the position of INSPECTOR OF PAVING  
will be held at the rooms of the Civil Service Boards,  
Cooper Union, on Tuesday, the 26th instant, at 10 A.M.  
Application blanks may be obtained at the office of  
the Secretary, Room 30, Cooper Union.  
LEE PHILLIPS,  
Secretary and Executive Officer.

NEW YORK CITY CIVIL SERVICE BOARDS,  
COOPER UNION,  
NEW YORK, April 3, 1890.

#### NOTICE.

- Office hours from 9 A.M. until 4 P.M.
- Blank applications for positions in the classified service of the city may be procured upon application at the above office.
- Examinations will be held from time to time at the needs of the several Departments of the City Government may require. When examinations are called, all persons who have filed applications prior to that date will be notified to appear for examination for the position specified.
- All information in relation to the Municipal Civil Service will be given upon application either in person or by letter. Those asking for information by mail should inclose stamp for reply.
- The classification by schedule of city employees is as follows:

Schedule A shall include all deputies of officers and commissioners duly authorized to act for their principals, and all persons necessarily occupying a strictly confidential position.

Schedule B shall include clerks, copyists, recorders, bookkeepers and others rendering clerical services, except type-writers and stenographers.

Schedule C shall include Policemen, both in the Police Department and Department of Parks, and the uniformed force in the Fire Department, and Loormen in the Police Department.

Schedule D shall include all persons for whose duty special expert knowledge is required not included in Schedule E.

Schedule E shall include physicians, chemists, nurses, orderlies and attendants in the city hospitals and asylums, surgeons in the Police Department and the Department of Public Parks, and medical officers in the Fire Department.

Schedule F shall include stenographers, type-writers and all persons not included in the foregoing schedules, except laborers or day workmen.

Schedule G shall include all persons employed as laborers or day workmen.

Positions falling within Schedules A and G are exempt from Civil Service examination.  
LEE PHILLIPS,  
Secretary and Executive Officer.

#### FIRE DEPARTMENT.

HEADQUARTERS FIRE DEPARTMENT,  
157 AND 159 EAST SIXTY-SEVENTH STREET,  
NEW YORK, August 14, 1890.

#### TO CONTRACTORS.

SEALED PROPOSALS FOR FURNISHING THIS  
Department with the following articles:  
500,000 pounds Hay, of the quality and standard known as Best Sweet Timothy.

125,000 pounds good, clean Rye Straw.  
5,000 bags clean No. 1 White Oats, 80 pounds to the bag.

2,200 bags first quality Bran, 40 pounds to the bag. —will be received by the Board of Commissioners at the head of the Fire Department, at the office of said Department, Nos. 157 and 159 East Sixty-seventh street, in the City of New York, until 10 o'clock A. M. Wednesday, August 27, 1890, at which time and place they will be publicly opened by the head of said Department and read.

All of the articles are to be delivered at the various houses of the Department, in such quantities and at such times as may be directed.

No estimate will be received or considered after the hour named.  
The form of the agreement (with specifications), showing the manner of payment for the articles, may be seen and forms of proposals may be obtained at the office of the Department.

Proposals must include all the items, specifying the price per cwt. for hay and straw, and per bag for oats and bran.

Bidders will write out the amount of their estimate in addition to inserting the same in figures.

The award of the contract will be made as soon as practicable after the opening of the bids.

Any person making an estimate for the above shall present the same in a sealed envelope, to said Board, at said office, on or before the day and hour above named,

which envelope shall be indorsed with the name or names of the person or persons presenting the same, the date of its presentation, and a statement of the work to which it relates.

The Fire Department reserves the right to decline any and all bids or estimates, if deemed to be for the public interest. No bid or estimate will be accepted from or contract awarded to, any person who is in arrears to the Corporation upon debt or contract, or who is a defaulter as surety or otherwise, upon any obligation to the Corporation.

Each bid or estimate shall contain and state the name and place of residence of each of the persons making the same; the names of all persons interested with him or them therein; and if no other person be so interested, it shall distinctly state that fact; that it is made without any connection with any other person making an estimate for the same purpose, and is in all respects fair and without collusion or fraud; and that no member of the Common Council, head of a department, chief of a bureau, deputy thereof or clerk therein, or other officer of the Corporation, is directly or indirectly interested therein, or in the supplies or work to which it relates, or in any portion of the profits thereof. The bid or estimate must be verified by the oath, in writing, of the party or parties making the estimate, that the several matters stated therein are in all respects true. Where more than one person is interested, it is requisite that the verification be made and subscribed by all the parties interested.

Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders of the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person making the estimate, they will, on its being so awarded, become bound as sureties for its faithful performance in the sum of five thousand (\$5,000) dollars; and that if he shall omit or refuse to execute the same, they will pay to the Corporation any difference between the sum to which he would be entitled on its completion, and that which the Corporation may be obliged to pay to the person to whom the contract may be awarded at any subsequent letting; the amount in each case to be calculated upon the estimated amount of the work by which the bids are tested. The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of this contract, over and above all his debts of every nature and over and above his liabilities as bail, surety or otherwise; and that he has offered himself as a surety in good faith and with the intention to execute the bond required by law. The adequacy and sufficiency of the security offered is to be approved by the Comptroller of the City of New York before the award is made and prior to the signing of the contract.

No estimate will be considered unless accompanied by either a certified check upon one of the banks of the City of New York, drawn to the order of the Comptroller, or money to the amount of two hundred and fifty (\$250) dollars. Such check or money must not be inclosed in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same, within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited to and retained by the City of New York, as liquidated damages for such neglect or refusal, but if he shall execute the contract within the time aforesaid, the amount of his deposit will be returned to him.

Should the person or persons to whom the contract may be awarded neglect or refuse to accept the contract within five days after written notice that the same has been awarded to his or their bid or proposal, or if he or they accept but do not execute the contract and give the proper security, he or they shall be considered as having abandoned it and as in default to the Corporation, and the contract will be readvertised and relet as provided by law.

HENRY D. PURROY,  
S. HOWLAND ROBBINS,  
ANTHONY EICKHOFF,  
Commissioners.

HEADQUARTERS FIRE DEPARTMENT,  
157 AND 159 EAST SIXTY-SEVENTH STREET,  
NEW YORK, August 7, 1890.

#### TO CONTRACTORS.

SEALED PROPOSALS FOR FURNISHING THE  
materials and labor and doing the work required in repairing and altering the following buildings of this Department, viz.: Quarters of Engine Company No. 46, on Morris street, between Madison and Washington avenues, and of Hook and Ladder Company No. 4, at No. 788 Eighth avenue, will be received by the Board of Commissioners at the head of the Fire Department, at the office of said Department, Nos. 157 and 159 East Sixty-seventh street, in the City of New York, until 10 o'clock A. M. Wednesday, August 27, 1890, at which time and place they will be publicly opened by the head of said Department and read.

A separate estimate must be made for each building.

No estimate will be received or considered after the hour named.

For information as to the amount and kind of work to be done, bidders are referred to the specifications, which form part of these proposals.

The form of the agreement and the specifications, showing the manner of payment for the work and forms of proposals, may be obtained at the office of the Department.

Bidders must write out the amount of their estimate in addition to inserting the same in figures.

The work is to be completed and delivered within the time specified in the contract.

The damages to be paid by the contractor for each day that the contract may be unfulfilled after the time specified for the completion thereof shall have expired are fixed and liquidated at ten (\$10) dollars.

The award of the contract will be made as soon as practicable after the opening of the bids.

Any person making an estimate for the work shall present the same in a sealed envelope to said Board, at said office, on or before the day and hour above named, which envelope shall be indorsed with the name or names of the person or persons presenting the same, the date of its presentation and a statement of the work to which it relates.

The Fire Department reserves the right to decline any and all bids or estimates if deemed to be for the public interest. No bid or estimate will be accepted from, or contract awarded to, any person who is in arrears to the Corporation upon debt or contract, or who is a defaulter, as surety or otherwise, upon any obligation to the Corporation.

Each bid or estimate shall contain and state the name and place of residence of each of the persons making the same; the names of all persons interested with him or them therein; and if no other person be so interested, it shall distinctly state that fact; that it is made without any connection with any other person making an estimate for the same purpose, and is in all respects fair and without collusion or fraud; and that no member of the Common Council, head of a department, chief of a bureau, deputy thereof, or clerk therein, or other officer of the Corporation, is directly or indirectly interested therein, or in the supplies or work to which it relates, or in any portion of the profits thereof. The bid or estimate must be verified by the oath, in writing, of the party or parties making the estimate, that the several matters stated therein are in all respects true. Where more than one person is interested, it is requisite that the verification be made and subscribed by all the parties interested.

Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders of the City of New York, with their respective places of

business or residence, to the effect that if the contract be awarded to the person making the estimate, they will, on its being so awarded, become bound as sureties for its faithful performance, in the sum of one thousand and four hundred (\$1,400) dollars, and that if he shall omit or refuse to execute the same, they will pay to the Corporation any difference between the sum to which he would be entitled on its completion, and that which the Corporation may be obliged to pay to the person or persons to whom the contract may be awarded at any subsequent letting; the amount in each case to be calculated upon the estimated amount of the work by which the bids are tested. The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of this contract, over and above all his debts of every nature, and over and above his liabilities as bail, surety, or otherwise, and that he has offered himself as a surety in good faith and with the intention to execute the bond required by law. The adequacy and sufficiency of the security offered is to be approved by the Comptroller of the City of New York before the award is made and prior to the signing of the contract.

No estimate will be considered unless accompanied by either a certified check upon one of the banks of the City of New York, drawn to the order of the Comptroller, or money to the amount of seventy (\$70) dollars. Such check or money must not be inclosed in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same, within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited to and retained by the City of New York as liquidated damages for such neglect or refusal, but if he shall execute the contract within the time aforesaid, the amount of his deposit will be returned to him.

Should the person or persons to whom the contract may be awarded neglect or refuse to accept the contract within five days after written notice that the same has been awarded to his or their bid or proposal, or if he or they accept but do not execute the contract and give the proper security, he or they shall be considered as having abandoned it, and as in default to the Corporation, and the contract will be readvertised and relet as provided by law.

HENRY D. PURROY,  
S. HOWLAND ROBBINS,  
ANTHONY EICKHOFF,  
Commissioners.

#### DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION.

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION,  
No. 66 THIRD AVENUE.

#### TO CONTRACTORS.

PROPOSALS FOR GROCERIES, DRY-GOODS, LEATHER.

SEALED BIDS OR ESTIMATES FOR FURNISHING

GROCERIES, ETC.  
7,940 pounds Dairy Butter, sample on exhibition Wednesday, August 20, 1890.  
1,500 pounds Cheese.  
1,600 pounds Dried Apples.  
2,400 pounds Barley, price to include packages.  
4,600 pounds Rio Coffee, roasted.  
3,000 pounds Hominy, price to include packages.  
1,000 pounds Macaroni.  
4,000 pounds Oatmeal, price to include packages.  
3,000 pounds Prunes.  
6,500 pounds Rice.  
16,000 pounds Brown Sugar.  
2,500 pounds Coffee Sugar.  
1,600 pounds Cut Loaf Sugar.  
2,000 pounds Granulated Sugar.  
600 pounds Corn Starch, in 1-pound packages.  
1,000 pounds Oolong Tea.  
100 barrels Crackers.  
100 barrels American Salt, prime quality, 320 pounds net each; delivery to be made within fifteen days.

25 barrels Sal Soda.  
100 bushels Beans.  
3,540 dozen fresh Eggs, all to be candled.  
100 bushels Rye.  
40 pieces prime quality City-cured Bacon, to average about 6 pounds each.

52 prime quality City-cured Hams, to average about 14 pounds each.

26 prime quality City-cured Smoked Tongues, to average about 6 pounds each.

631 barrels good, sound White Potatoes, to weigh 172 pounds net per barrel.

50 barrels prime Red or Yellow Onions, to weigh 150 pounds net per barrel.

100 barrels prime Russia Turnips, to weigh 135 pounds net per barrel.

1,600 heads prime, good sized Cabbage, to be delivered in crates or barrels.

173 bales prime quality long bright Rye Straw, tare not to exceed 3 pounds; weight charged as received at Blackwell's Island.

50 bags coarse Meal, 100 pounds net each.  
50 bags fine Meal, 100 pounds net each.

DRY-GOODS.  
5,000 yards Stillwater Muslin.  
10 bales Cotton Batts, 16 ozs. per pound—50 lb. bales.

100 packs Pins.  
200 gross Safety Pins, No. 2, 120; No. 3, 80.  
50 dozen Spectacles.

GROCERY.  
1 gross Milk Pitchers.  
5 gross Tumblers.  
1/2 gross Basins.

LEATHER.  
150 sides of Sole Leather, "good damaged," to weigh from 21 to 25 pounds.

125 sides Waxed Upper, to average about 17 feet.

—will be received at the office of the Department of Public Charities and Correction, in the City of New York, until 10 o'clock A. M. of Thursday, August 21, 1890. The person or persons making any bid or estimate shall furnish the same in a sealed envelope, indorsed "Bid or Estimate for Groceries, Dry-goods, Leather, etc." with his or their name or names, and the date of presentation, to the head of said Department, at the said office, on or before the day and hour above named, at which time and place the bids or estimates received will be publicly opened by the President of said Department and read.

THE BOARD OF PUBLIC CHARITIES AND CORRECTION RESERVES THE RIGHT TO REJECT ALL BIDS OR ESTIMATES IF DEEMED TO BE FOR THE PUBLIC INTEREST, AS PROVIDED IN SECTION 64, CHAPTER 410, LAWS OF 1882.

No bid or estimate will be accepted from, or contract awarded to, any person who is in arrears to the Corporation upon debt or contract, or who is a defaulter, as surety or otherwise, upon any obligation to the Corporation.

The award of the contract will be made as soon as practicable after the opening of the bids.

Delivery will be required to be made from time to time, and in such quantities as may be directed by the said Commissioners.

Any bidder for this contract must be known to be engaged in and well prepared for the business, and must have satisfactory testimonials to that effect, and the person or persons to whom the contract may be awarded will be required to give security for the performance of the contract by his or their bond, with two sufficient sureties, in the penal amount of fifty (50) per cent of the ESTIMATED amount of the contract.

Each bid or estimate shall contain and state the name and place of residence of each of the persons making the same; the names of all persons interested with him or them therein; and if no other person be so interested, it shall distinctly state that fact; also that it is made without any connection with any other person making an estimate for the same purpose, and is in all respects fair and without collusion or fraud; and that no member of the Common Council, head of a department, chief of a bureau, deputy thereof, or clerk therein, or other officer of the Corporation, is directly or indirectly interested therein, or in the supplies or work to which it relates, or in any portion of the profits thereof. The bid or estimate must be verified by the oath, in writing, of the party or parties making the estimate, that the several matters stated therein are in all respects true. Where more than one person is interested, it is requisite that the verification be made and subscribed by all the parties interested.

Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders in the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person making the estimate, they will, on its being so awarded, become bound as his sureties for its faithful performance; and that if he shall omit or refuse to execute the same, they will pay to the Corporation any difference between the sum to which he would be entitled on its completion and that which the Corporation may be obliged to pay to the person or persons to whom the contract may be awarded at any subsequent letting; the amount in each case to be calculated upon the estimated amount of the work by which the bids are tested. The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of this contract, over and above all his debts of every nature, and over and above his liabilities as bail, surety or otherwise; and that he has offered himself as a surety in good faith and with the intention to execute the bond required by section 12 of chapter 7 of the Revised Ordinances of the City of New York, if the contract shall be awarded to the person or persons for whom he consents to become surety. The adequacy and sufficiency of the security offered to be approved by the Comptroller of the City of New York.

No bid or estimate will be considered unless accompanied by either a certified check upon one of the State or National banks of the City of New York, drawn to the order of the Comptroller, or money, to the amount of five per centum of the amount of the security required for the faithful performance of the contract. Such check or money must not be inclosed in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same, within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited to and retained by the City of New York, as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid, the amount of his deposit will be returned to him.

Should the person or persons to whom the contract may be awarded neglect or refuse to accept the contract within five days after written notice that the same has been awarded to his or their bid or proposal, or if he or they accept but do not execute the contract and give the proper security, he or they shall be considered as having abandoned it and as in default to the Corporation, and the contract will be readvertised and relet as provided by law.

The quality of the articles, supplies, goods, wares, and merchandise must conform in every respect to the samples of the same on exhibition at the office of the said Department. Bidders are cautioned to examine the specifications for particulars of the articles, etc., required, before making their estimates.

Bidders will state the price for each article, by which the bids will be tested.

Bidders will write out the amount of their estimate in addition to inserting the same in figures.

Payment will be made by a requisition on the Comptroller, in accordance with the terms of the contract, or from time to time, as the Commissioners may determine.

The form of the contract, including specifications, and showing the manner of payment, will be furnished at the office of the Department; and bidders are cautioned to examine each and all of its provisions carefully, as the Board of Public Charities and Correction will insist upon its absolute enforcement in every particular.

Dated New York, August 9, 1890.

HENRY H. PORTER, President,  
CHAS. E. SIMMONS, M. D.,  
EDWARD C. SHEEHY,  
Commissioners of Public Charities and Correction.

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION,  
No. 66 THIRD AVENUE.

#### TO CONTRACTORS.

#### PROPOSALS FOR FLOUR.

SEALED BIDS OR ESTIMATES FOR FURNISHING AND DELIVERING, free of all expense, at the Bake-house dock, Blackwell's Island (east side), 4,000 barrels extra Wheat Flour, in lots of 500 to 1,000 barrels one-half of each quality, as follows, to be delivered in barrels only:

2,000 barrels of sample marked No. 1.  
2,000 barrels of sample marked No. 2.

—will be received at the office of the Department of Public Charities and Correction, No. 66 Third avenue, in the City of New York, until 10 o'clock A. M. of Thursday, August 21, 1890. The person or persons making any bid or estimate shall furnish the same in a sealed envelope, indorsed "Bid or Estimate for Flour," and with his or their name or names, and the date of presentation, to the head of said Department, at the said office, on or before the day and hour above named, at which time and place the bids or estimates received will be publicly opened by the President of said Department and read.

The contractor shall furnish a certificate of inspection by the Flour Inspector of the New York Produce Exchange, also an award from the Committee on Flour of the Exchange, that the flour offered is equal to the standards of the Department, and which certificate shall accompany each delivery of flour, the expense of such inspection and award to be borne by the contractor, also certificate of weight and tare to be furnished with each delivery.

THE BOARD OF PUBLIC CHARITIES AND CORRECTION RESERVES THE RIGHT TO REJECT ALL BIDS OR ESTIMATES IF DEEMED TO BE FOR THE PUBLIC INTEREST, AS PROVIDED IN SECTION 64, CHAPTER 410, LAWS OF 1882.

No bid or estimate will be accepted from, or contract awarded to, any person who is in arrears to the Cor-



poration upon debt or contract, or who is a defaulter, as surety or otherwise upon any obligation to the Corporation.

The award of the contract will be made as soon as practicable after the opening of the bids.

Delivery will be required to be made from time to time, and in such quantities as may be directed by the said Commissioners.

Any bidder for this contract must be known to be engaged in and well prepared for the business, and must have satisfactory testimonials to that effect, and the person or persons to whom the contract may be awarded will be required to give security for the performance of the contract by his or their bond, with two sufficient sureties, each in the penal amount of fifty (50) per cent. of the ESTIMATED amount of the contract.

Each bid or estimate shall contain and state the name and place of residence of each of the persons making the same; the names of all persons interested with him or them therein; and if no other person be so interested, it shall distinctly state that fact; also that it is made without any connection with any other person making an estimate for the same purpose, and in all respects fair and without collusion or fraud; and that no member of the Common Council, head of a department, chief of a bureau, deputy thereof, or clerk therein, or other officer of the Corporation, is directly or indirectly interested therein, or in the supplies or work to which it relates, or in any portion of the profits thereof. The bid or estimate must be verified by the oath, in writing, of the party or parties making the estimate that the several matters stated therein are in all respects true. Where more than one person is interested, it is requisite that the verification be made and subscribed by all the parties interested.

Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders in the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person making the estimate, they will, on its being so awarded, become bound as his sureties for its faithful performance; and that if he shall omit or refuse to execute the same, they will pay to the Corporation any difference between the sum to which he would be entitled on its completion, and that which the Corporation may be obliged to pay to the person or persons to whom the contract may be awarded at any subsequent letting; the amount in each case to be calculated upon the estimated amount of the work by which the bids are tested. The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of this contract, over and above all his debts of every nature, and over and above his liabilities as bail, surety or otherwise; and that he has offered himself as a surety in good faith and with the intention to execute the bond required by section 12 of chapter 7 of the Revised Ordinances of the City of New York, if the contract shall be awarded to the person or persons for whom he consents to become surety. The adequacy and sufficiency of the security offered to be approved by the Comptroller of the City of New York.

No bid or estimate will be considered unless accompanied by either a certified check upon one of the State or National banks of the City of New York, drawn to the order of the Comptroller, or money, to the amount of five per centum of the amount of the security required for the faithful performance of the contract. Such check or money must not be inclosed in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same within three days after the contract is awarded. If the successful bidder shall refuse or neglect within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited and retained by the City of New York, as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid, the amount of his deposit will be returned to him.

Should the person or persons to whom the contract may be awarded neglect or refuse to accept the contract within five days after written notice that the same has been awarded to his or their bid or proposal, or if he or they accept, but do not execute, the contract and give the proper security, he or they shall be considered as having abandoned it, and as in default to the Corporation; and the contract will be readvertised and relet as provided by law.

The quality of the articles, supplies, goods, wares, and merchandise must conform in every respect to the samples of the same on exhibition at the office of the said Department. Bidders are cautioned to examine the specifications for particulars of the articles, etc., required before making their estimates.

Bidders will state the price for each article, by which the bids will be tested.

Bidders will write out the amount of their estimates in addition to inserting the same in figures.

Payment will be made by a requisition on the Comptroller, in accordance with the terms of the contract, or from time to time, as the Commissioners may determine.

The form of the contract, including the specifications, and showing the manner of payment, will be furnished at the office of the Department; and bidders are cautioned to examine each and all of its provisions carefully, as the Board of Public Charities and Correction will insist upon its absolute enforcement in every particular.

Dated NEW YORK, August 9, 1890.

HENRY H. PORTER, President,  
CHARLES E. SIMMONS, M. D.,  
EDWARD C. SHEEHY,  
Commissioners Public Charities and Correction.

## BOARD OF EDUCATION.

SEALED PROPOSALS FOR CONVEYING Pupils, every school day, from September 8, 1890, to July 3, 1891, inclusive:

From Williamsbridge to Grammar School No. 64, and return.

And from Woodlawn Heights to Primary School No. 47, and return;

—separate proposal for each school—will be received by the Board of Trustees of Common Schools of the Twenty-fourth Ward, at the Board-room in Grammar School Building No. 64, at Fordham, until Tuesday, September 3, 1890, at 4 o'clock P. M.

Terms of contracts and further information may be obtained of Theodore E. Thomson, Trustee, No. 1779 Washington avenue, as to School No. 64, and of John E. Eustis, Trustee, Sedgwick avenue, near Morris Dock, as to School No. 47.

The Trustees reserve the right to reject any or all proposals.

ELMER A. ALLEN, Chairman,  
LOUIS S. EICKWORTH, Secretary,  
Of Board of Trustees, Twenty-fourth Ward.  
Dated NEW YORK, August 14, 1890.

## DEPARTMENT OF STREET CLEANING.

### NOTICE.

PERSONS HAVING BULKHEADS TO FILL, IN the vicinity of New York Bay, can procure material for that purpose—ashes, street sweepings, etc., such as is collected by the Department of Street Cleaning—free of charge, by applying to the Commissioner of Street Cleaning, in the Stewart Building.

HANS S. BEATTIE,  
Commissioner of Street Cleaning

## AQUEDUCT COMMISSION.

AQUEDUCT COMMISSIONERS' OFFICE,  
ROOM 209, STEWART BUILDING, NO. 280 BROADWAY,  
NEW YORK, August 7, 1890.

### TO CONTRACTORS.

BIDS OR PROPOSALS FOR BUILDING AN Earth and Masonry Dam, with Gate-house and appurtenances, for Reservoir "D," on the west branch of the Croton river, near Carmel, Putnam County, New York, as called for in the approved forms of contract and specifications on file in the office of the Aqueduct Commissioners, will be received at this office until 3 o'clock P. M. on August 27, 1890, at which place and hour they will be publicly opened by the Aqueduct Commissioners, and the award for doing said work will be made by said Commissioners as soon thereafter as possible.

Blank forms of contract and specifications therefor, and bids or proposals and proper envelopes for their inclosure, can be obtained at the above office of the Aqueduct Commissioners on application to the Secretary.

By order of the Aqueduct Commissioners,  
JAMES C. DUANE,  
President.  
JOHN C. SHEEHAN,  
Secretary.

AQUEDUCT COMMISSIONERS' OFFICE,  
ROOM 209, STEWART BUILDING, NO. 280 BROADWAY,  
NEW YORK, August 7, 1890.

### TO CONTRACTORS.

BIDS OR PROPOSALS FOR BUILDING AN Auxiliary Earth and Masonry Dam, with Gate-house and other appurtenances, for Reservoir "D," near Craft's Station, in the Town of Carmel, Putnam County, New York, as called for in the approved forms of contract and specifications on file in the office of the Aqueduct Commissioners, will be received at this office until 3 o'clock P. M. on August 27, 1890, at which place and hour they will be publicly opened by the Aqueduct Commissioners, and the award for doing said work will be made by said Commissioners as soon thereafter as possible.

Blank forms of contract and specifications therefor, and bids or proposals and proper envelopes for their inclosure, can be obtained at the above office of the Aqueduct Commissioners on application to the Secretary.

By order of the Aqueduct Commissioners,  
JAMES C. DUANE,  
President.  
JOHN C. SHEEHAN, Secretary.

## DEPARTMENT OF DOCKS.

DEPARTMENT OF DOCKS,  
PIER "A," NORTH RIVER.

### TO CONTRACTORS.

(No. 349.)

PROPOSALS FOR ESTIMATES FOR PREPARING FOR AND BUILDING A NEW WOODEN PIER AT THE FOOT OF WEST ONE HUNDRED AND THIRTY-FOURTH STREET, NORTH RIVER.

ESTIMATES FOR PREPARING FOR AND building a New Wooden Pier, with its appurtenances, at the foot of West One Hundred and Thirty-fourth street, North river, and depositing rip-rap stone in connection therewith, will be received by the Board of Commissioners at the head of the Department of Docks, at the office of said Department on Pier "A," foot of Battery place, North river, in the City of New York, until 12 o'clock M. of

FRIDAY, AUGUST 22, 1890.

at which time and place the estimates will be publicly opened by the head of said Department. The award of the contract, if awarded, will be made as soon as practicable after the opening of the bids.

Any person making an estimate for the work shall furnish the same in a sealed envelope to said Board, at said office, on or before the day and hour above named, which envelope shall be indorsed with the name or names of the person or persons presenting the same, the date of its presentation, and a statement of the work to which it relates.

The bidder to whom the award is made shall give security for the faithful performance of the contract in the manner prescribed and required by ordinance, in the sum of Twelve Thousand One Hundred and Fifty Dollars.

The Engineer's estimate of the nature, quantities and extent of the work is as follows:

CLASS I.		NEW PIER.		Feet, B. M., measured in the work.	
1.	Yellow Pine Timber,	12" x 14"	.....	18,842	
"	"	12" x 12"	.....	85,258	
"	"	11 1/2" x 12"	.....	3,630	
"	"	11" x 12"	.....	132	
"	"	10" x 12"	.....	3,777	
"	"	10" x 10"	.....	844	
"	"	8" x 16"	.....	540	
"	"	8" x 15"	.....	1,160	
"	"	7" x 14"	.....	490	
"	"	6" x 12"	.....	140	
"	"	6" x 12"	.....	1,876	
"	"	7" x 12"	.....	2,842	
"	"	6" x 12"	.....	2,664	
"	"	5" x 12"	.....	4,650	
"	"	5" x 10"	.....	84	
"	"	7" x 9"	.....	3,202	
"	"	5" x 11"	.....	47	
"	"	5" x 10"	.....	7,984	
"	"	4" x 10"	.....	14,209	
"	"	4" x 10"	.....	41,680	
"	"	2" x 4"	.....	2,356	
Total.....				196,407	

		Feet, B. M., measured in the work.	
2.	Spruce Timber,	4" x 10"	.....
"	"	4" x 5"	.....
Total.....		49,215	

		Feet, B. M., measured in the work.	
3.	White Oak Timber,	8" x 12"	.....
Total.....		2,464	

NOTE.—The above quantities of timber, in items 1, 2 and 3, are inclusive of extra lengths required for scarfs, laps, etc., but are exclusive of waste.

4. White Pine, Yellow Pine or Cypress Piles for Pier, to be furnished and driven by the Contractor..... 341

(It is expected that about 24 of these piles will have to be about 90 feet in length, that about 96 will have to be from about 70 to about 90 feet in length, and that the remainder will have to be from about 60 to about 70 feet in length, the average about 65 feet in length, to meet the requirements of the specifications for driving.)

5. White Oak Fender Piles, about 70 feet long..... 14

6.	2 1/2" x 28", 2 1/2" x 26", 2 1/2" x 22", 2 1/2" x 16", 2 1/2" x 14", 2 1/2" x 12", 2 1/2" x 10", 2 1/2" x 8", 2 1/2" x 6", 2 1/2" x 4", 2 1/2" x 3", 2 1/2" x 2", 2 1/2" x 1", 2 1/2" x 1/2", 2 1/2" x 1/4", 2 1/2" x 1/8", 2 1/2" x 1/16", 2 1/2" x 1/32", 2 1/2" x 1/64", 2 1/2" x 1/128", 2 1/2" x 1/256", 2 1/2" x 1/512", 2 1/2" x 1/1024", 2 1/2" x 1/2048", 2 1/2" x 1/4096", 2 1/2" x 1/8192", 2 1/2" x 1/16384", 2 1/2" x 1/32768", 2 1/2" x 1/65536", 2 1/2" x 1/131072", 2 1/2" x 1/262144", 2 1/2" x 1/524288", 2 1/2" x 1/1048576", 2 1/2" x 1/2097152", 2 1/2" x 1/4194304", 2 1/2" x 1/8388608", 2 1/2" x 1/16777216", 2 1/2" x 1/33554432", 2 1/2" x 1/67108864", 2 1/2" x 1/134217728", 2 1/2" x 1/268435456", 2 1/2" x 1/536870912", 2 1/2" x 1/1073741824", 2 1/2" x 1/2147483648", 2 1/2" x 1/4294967296", 2 1/2" x 1/8589934592", 2 1/2" x 1/17179869184", 2 1/2" x 1/34359738368", 2 1/2" x 1/68719476736", 2 1/2" x 1/137438953472", 2 1/2" x 1/274877906944", 2 1/2" x 1/549755813888", 2 1/2" x 1/1099511627776", 2 1/2" x 1/2199023255552", 2 1/2" x 1/4398046511104", 2 1/2" x 1/8796093022208", 2 1/2" x 1/17592186044416", 2 1/2" x 1/35184372088832", 2 1/2" x 1/70368744177664", 2 1/2" x 1/140737488355328", 2 1/2" x 1/281474976710656", 2 1/2" x 1/562949953421312", 2 1/2" x 1/1125899906842624", 2 1/2" x 1/2251799813685248", 2 1/2" x 1/4503599627370496", 2 1/2" x 1/9007199254740992", 2 1/2" x 1/18014398509481984", 2 1/2" x 1/36028797018963968", 2 1/2" x 1/72057594037927936", 2 1/2" x 1/144115188075855872", 2 1/2" x 1/288230376151711744", 2 1/2" x 1/576460752303423488", 2 1/2" x 1/1152921504606846976", 2 1/2" x 1/2305843009213693952", 2 1/2" x 1/4611686018427387904", 2 1/2" x 1/9223372036854775808", 2 1/2" x 1/18446744073709551616", 2 1/2" x 1/36893488147419103232", 2 1/2" x 1/73786976294838206464", 2 1/2" x 1/147573952589676412928", 2 1/2" x 1/295147905179352825856", 2 1/2" x 1/590295810358705651712", 2 1/2" x 1/1180591620717411303424", 2 1/2" x 1/2361183241434822606848", 2 1/2" x 1/4722366482869645213696", 2 1/2" x 1/9444732965739290427392", 2 1/2" x 1/18889465931478580854784", 2 1/2" x 1/37778931862957161709568", 2 1/2" x 1/75557863725914323419136", 2 1/2" x 1/151115727451828646838272", 2 1/2" x 1/302231454903657293676544", 2 1/2" x 1/604462909807314587353088", 2 1/2" x 1/1208925819614629174706176", 2 1/2" x 1/2417851639229258349412352", 2 1/2" x 1/4835703278458516698824704", 2 1/2" x 1/9671406556917033397649408", 2 1/2" x 1/19342813113834066795298816", 2 1/2" x 1/38685626227668133590597632", 2 1/2" x 1/77371252455336267181195264", 2 1/2" x 1/154742504910672534362390528", 2 1/2" x 1/309485009821345068724781056", 2 1/2" x 1/618970019642690137449562112", 2 1/2" x 1/1237940039285380274899124224", 2 1/2" x 1/2475880078570760549798248448", 2 1/2" x 1/4951760157141521099596496896", 2 1/2" x 1/9903520314283042199192993792", 2 1/2" x 1/19807040628566084398385987584", 2 1/2" x 1/39614081257132168796771975168", 2 1/2" x 1/79228162514264337593543950336", 2 1/2" x 1/158456325028528675187087900672", 2 1/2" x 1/316912650057057350374175801344", 2 1/2" x 1/633825300114114700748351602688", 2 1/2" x 1/1267650600228229401496703205376", 2 1/2" x 1/2535301200456458802993406410752", 2 1/2" x 1/5070602400912917605986812821504", 2 1/2" x 1/10141204801825835211973625643008", 2 1/2" x 1/20282409603651670423947251286016", 2 1/2" x 1/40564819207303340847894502572032", 2 1/2" x 1/81129638414606681695789005144064", 2 1/2" x 1/162259276829213363391578010288128", 2 1/2" x 1/324518553658426726783156020576256", 2 1/2" x 1/649037107316853453566312041152512", 2 1/2" x 1/1298074214633706907132624082305024", 2 1/2" x 1/2596148429267413814265248164610048", 2 1/2" x 1/5192296858534827628530496329220096", 2 1/2" x 1/10384593717069655257060992658440192", 2 1/2" x 1/20769187434139310514121985316880384", 2 1/2" x 1/41538374868278621028243970633760768", 2 1/2" x 1/83076749736557242056487941267521536", 2 1/2" x 1/166153499473114484112975882535043072", 2 1/2" x 1/332306998946228968225951765070086144", 2 1/2" x 1/664613997892457936451903530140172288", 2 1/2" x 1/1329227995784915872903807060280344576", 2 1/2" x 1/2658455991569831745807614120560689152", 2 1/2" x 1/5316911983139663491615228241121378304", 2 1/2" x 1/10633823966279326983230456482242756608", 2 1/2" x 1/21267647932558653966460912964485513216", 2 1/2" x 1/42535295865117307932921825928971026432", 2 1/2" x 1/85070591730234615865843651857942052864", 2 1/2" x 1/170141183460469231731687303715884105728", 2 1/2" x 1/340282366920938463463374607431768211456", 2 1/2" x 1/680564733841876926926749214863536422912", 2 1/2" x 1/1361129467683753853853498429727072845824", 2 1/2" x 1/2722258935367507707706996859454145691648", 2 1/2" x 1/5444517870735015415413993718908291383296", 2 1/2" x 1/10889035741470030830827987437816582766592", 2 1/2" x 1/21778071482940061661655974875633165533184", 2 1/2" x 1/43556142965880123323311949751266331066368", 2 1/2" x 1/87112285931760246646623899502532662132736", 2 1/2" x 1/174224571863520493293247799005065324265472", 2 1/2" x 1/348449143727040986586495598010130648530944", 2 1/2" x 1/696898287454081973172991196020261297061888", 2 1/2" x 1/1393796574908163946345982392040522594123776", 2 1/2" x 1/2787593149816327892691964784081045188247552", 2 1/2" x 1/5575186299632655785383929568162090376495104", 2 1/2" x 1/11150372599265311570767859136324180752990208", 2 1/2" x 1/22300745198530623141535718272648361505980416", 2 1/2" x 1/44601490397061246283071436545296723011960832", 2 1/2" x 1/89202980794122492566142873090593446023921664", 2 1/2" x 1/178405961588244985132285746181186892047843328", 2 1/2" x 1/356811923176489970264571492362373784095686656", 2 1/2" x 1/713623846352979940529142984724747568191373312", 2 1/2" x 1/1427247692705959881058285969449495136382746624", 2 1/2" x 1/2854495385411919762116571938898990272765493248", 2 1/2" x 1/5708990770823839524233143877797980545530986496", 2 1/2" x 1/11417981541647679048466287755595961091061972992", 2 1/2" x 1/22835963083295358096932575511191922182123945984", 2 1/2" x 1/45671926166590716193865151022383844364247891968", 2 1/2" x 1/91343852333181432387730302044767688728495783936", 2 1/2" x 1/182687704666362864775460604089535377456991567872", 2 1/2" x 1/365375409332725729550921208179070754913983135744", 2 1/2" x 1/730750818665451459101842416358141509827966271488", 2 1/2" x 1/1461501637330902918203684832716283019655932542976", 2 1/2" x 1/29230032746618058
----	--



In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf of the Mayor, Aldermen and Commonality of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to GERMAN PLACE (although not yet named by proper authority), extending from Westchester avenue to Brook avenue, and to RAE STREET (although not yet named by proper authority), extending from St. Ann's avenue to German place, in the Twenty-third Ward of the City of New York, as the same have been heretofore laid out and designated as first class streets or roads by the Department of Public Parks.

**NOTICE IS HEREBY GIVEN THAT THE BILL** of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter, will be presented for taxation to one of the Justices of the Supreme Court, at the Chambers thereof, in the County Court-house, at the City Hall, in the City of New York, on the twenty-fifth day of August, 1890, at 10.30 o'clock in the forenoon of that day, or as soon thereafter as counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Department of Public Works, there to remain for and during the space of ten days.

Dated New York, August 7, 1890.

SAMUEL R. ELLIOTT,  
JOSEPH E. NEWBURGER,  
MICHAEL J. KELLY,  
Commissioners.

CARROLL BERRY, Clerk.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf of the Mayor, Aldermen and Commonality of the City of New York, to acquire title to certain lands required for a public park at or near Corlears Hook, in the Seventh Ward of the City of New York.

**PURSUANT TO THE PROVISIONS OF CHAPTER 529** of the Laws of 1884, and of all other statutes in such case made and provided, notice is hereby given that an application will be made to the Supreme Court of the State of New York, at a Special Term of said court, to be held at the Chambers thereof, in the County Court-house, in the City of New York, on the 8th day of September, 1890, at the opening of the court on that day, or as soon thereafter as counsel can be heard, for the appointment of Commissioners of Estimate and Assessment in the above-entitled matter, in the place and stead of Lytleton G. Garretson, deceased.

The nature and extent of the improvement intended to be effected by the prosecution of the above-entitled proceeding is the acquisition of title, in the name and on behalf of the Mayor, Aldermen and Commonality of the City of New York, for the use of the public, to all of the lands and premises, with the buildings thereon and the appurtenances thereto belonging, and required for a public park at or near Corlears Hook, in the Seventh Ward of the City of New York, being the following-described lots, pieces or parcels of land, namely:

Beginning at the corner formed by the intersection of the easterly line of Jackson street with the southerly line of Cherry street; running thence easterly along said southerly side of Cherry street 575 feet to the corner formed by the intersection of the said side of Cherry street with the westerly side of Corlears street; thence southerly and along said westerly side of Cherry street, crossing Water, Front and a portion of South streets 630 feet, more or less, to a line parallel with and distant 100 feet northerly from the bulkhead or waterfront established by the Board of the Department of Docks, and adopted by the Commissioners of the Sinking Fund, in the City of New York, under and pursuant to the provisions of section 6, chapter 574 of the Laws of 1871; thence westerly and along said line so distant 100 feet northerly from the said water-front 575 feet to a point thereon formed by the intersection therewith of the easterly side of Jackson street, extending in a southerly direction to said point of intersection; thence northerly and along said easterly side of Jackson street, crossing a portion of South, Front and Water streets 630 feet, more or less, to the corner formed by the intersection therewith of the said southerly side of Cherry street, at the point or place of beginning.

Dated New York, August 7, 1890.

WILLIAM H. CLARK,  
Counsel to the Corporation,  
No. 2 Tryon Row, New York City.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf of the Mayor, Aldermen and Commonality of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to that part of LINCOLN AVENUE (although not yet named by proper authority), extending from the Southern Boulevard to Third avenue, in the Twenty-third Ward of the City of New York, as the same has been heretofore laid out and designated as a first class street or road by the Department of Public Parks.

**NOTICE IS HEREBY GIVEN THAT THE** bill of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter, will be presented for taxation to one of the Justices of the Supreme Court, at the Chambers thereof, in the County Court-house, at the City Hall, in the City of New York, on the 22d day of August, 1890, at 10.30 o'clock in the forenoon of that day, or as soon thereafter as counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Department of Public Works, there to remain for and during the space of ten days.

Dated New York, August 8, 1890.

FRANCIS C. DEVLIN,  
EZRA A. TUTTLE,  
ROBERT W. TODD,  
Commissioners.

CARROLL BERRY, Clerk.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf of the Mayor, Aldermen and Commonality of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to LOCUST AVENUE (although not yet named by proper authority), extending from the south side of East One Hundred and Thirty-second to the north side of East One Hundred and Forty-first street, in the Twenty-third Ward of the City of New York, as the same has been heretofore laid out and designated as a first class street or road by the Department of Public Parks.

**WE, THE UNDERSIGNED, COMMISSIONERS** of Estimate and Assessment in the above-entitled matter, hereby give notice to all persons interested in this proceeding, and to the owner or owners, occupant or occupants, of all houses and lots and improved or unimproved lands affected thereby, and to all others whom it may concern, to wit:

First—That we have completed our estimate and assessment, and that all persons interested in this proceeding, or in any of the lands affected thereby, and having objections thereto, do present their said objections in writing, duly verified, to us at our office, No. 280 Broadway (Room 4), in said city, on or before the thirteenth day of September, 1890, and that we, the said Commissioners, will hear parties so objecting within ten week-days next after the said thirteenth day of September, 1890, and for that purpose will be in attendance at our said office on each of said ten days at 3 o'clock P. M.

Second—That the abstract of our said estimate and assessment, together with our damage and benefit maps,

and also all the affidavits, estimates and other documents used by us in making our report, have been deposited with the Commissioner of Public Works of the City of New York, at his office, No. 31 Chambers street, in the said city, there to remain until the fifteenth day of September, 1890.

Third—That the limits of our assessment for benefit include all those lots, pieces or parcels of land, situate, lying and being in the City of New York, which taken together are bounded and described as follows, viz.: Northerly by the northerly line of East One Hundred and Forty-first street, prolonged easterly for 100 feet; easterly by a line parallel with, and distant 100 feet easterly, from the easterly line of Locust avenue; southerly by the southerly line of East One Hundred and Thirty-second street, prolonged easterly for 100 feet; westerly by a line parallel with, and distant 100 feet westerly, from the westerly line of Locust avenue; excepting from said area all the streets, avenues and roads, or portions thereof, heretofore legally opened, and all the unimproved lands included within the lines of streets, avenues, roads, public squares and places shown and laid out upon any map or maps filed by the Commissioners of the Department of Public Parks, pursuant to the provisions of chapter 604 of the Laws of 1874, and the laws amendatory thereof, or of chapter 410 of the Laws of 1882, as such area is shown upon our benefit map deposited as aforesaid.

Fourth—That our report herein will be presented to the Supreme Court of the State of New York, at a Special Term thereof, to be held at the Chambers thereof, in the County Court-house, in the City of New York, on the thirtieth day of September, 1890, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated New York, August 2, 1890.

JOHN J. BRADY, Chairman,  
BENJAMIN F. EDSALL,  
SAMUEL E. DUFFEY,  
Commissioners.

JOHN P. DUNN, Clerk.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf of the Mayor, Aldermen and Commonality of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to FREEMAN STREET (although not yet named by proper authority), extending from Union avenue to Southern Boulevard, in the Twenty-third Ward of the City of New York, as the same has been heretofore laid out and designated as a first-class street or road by the Department of Public Parks.

**PURSUANT TO THE STATUTES IN SUCH** cases made and provided, notice is hereby given that an application will be made to the Supreme Court of the State of New York, at a Special Term of said Court, to be held at the Chambers thereof, in the County Court-house, in the City of New York, on Friday, the 29th day of August, 1890, at the opening of the Court on that day, or as soon thereafter as counsel can be heard thereon, for the appointment of Commissioners of Estimate and Assessment in the above-entitled matter. The nature and extent of the improvement hereby intended is the acquisition of title, in the name and on behalf of the Mayor, Aldermen and Commonality of the City of New York, for the use of the public, to all the lands and premises, with the buildings thereon and the appurtenances thereto belonging, required for the opening of a certain street or avenue known as Freeman street, extending from Union avenue to Southern Boulevard, in the Twenty-third Ward of the City of New York, as the same has been heretofore laid out and designated as a first-class street or road by the Department of Public Parks, being the following described lots, pieces or parcels of land, viz.:

Beginning at a point in the west side of Chisholm street, distant 50 feet southerly from the intersection of the south side of Jennings street with the west side of Chisholm street:

- 1st. Thence southerly along the western line of Chisholm street for 60 feet;
- 2d. Thence westerly, deflecting 90° to the right, for 812.44 feet;
- 3d. Thence northwesterly, deflecting 43° 32' 26" to the right, for 2.08 feet;
- 4th. Thence northeasterly, deflecting 78° 23' 42" to the right, for 69.01 feet;
- 5th. Thence easterly for 777.45 feet to the point of beginning.

PARCEL "B."

Beginning at a point in the east side of Chisholm street, distant 500 feet southerly from the intersection of the south side of Jennings street with the east side of Chisholm street:

- 1st. Thence southerly along the eastern line of Chisholm street for 60 feet;
- 2d. Thence easterly, deflecting 90° to the left, for 120.56 feet;
- 3d. Thence easterly, deflecting 12° 32' 06" to the left, for 99.44 feet;
- 4th. Thence easterly, deflecting 44° 45' 05" to the right, for 352.13 feet;
- 5th. Thence southeasterly, deflecting 14° 35' 35" to the right, for 100.16 feet;
- 6th. Thence easterly, deflecting 38° 49' 09" to the left for 338.62 feet to the western line of Southern Boulevard.
- 7th. Thence northerly, along the western line of the Southern Boulevard for 100 feet;
- 8th. Thence westerly, deflecting 90° to the left for 293.73 feet;
- 9th. Thence westerly, deflecting 10° 07' 28" to the right, for 100.09 feet;
- 10th. Thence westerly, deflecting 14° 06' 06" to the right for 345.55 feet;
- 11th. Thence westerly, deflecting 38° 25' 58" to the left, for 83.92 feet;
- 12th. Thence westerly, for 171.53 feet to the point of beginning.

Freeman street, from Union avenue to South Boulevard, is designated a street of the first-class, and is partly 60 and partly 100 feet wide.

And as shown on certain maps filed by the Commissioners of the Department of Public Parks in the office of the Register of the City and County of New York, in the office of the Secretary of State of the State of New York, and in the Department of Public Parks.

Dated New York, August 2, 1890.

WILLIAM H. CLARK,  
Counsel to the Corporation,  
No. 2 Tryon Row, New York City.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf of the Mayor, Aldermen and Commonality of the City of New York, relative to acquiring title wherever the same has not been heretofore acquired, to WALNUT AVENUE (although not yet named by proper authority), extending from the south side of East One Hundred and Thirty-second street to the north side of East One Hundred and Forty-first street, in the Twenty-third Ward of the City of New York, as the same has been heretofore laid out and designated as a first-class street or road by the Department of Public Parks.

**WE, THE UNDERSIGNED, COMMISSIONERS** of Estimate and Assessment in the above-entitled matter, hereby give notice to all persons interested in this proceeding, and to the owner or owners, occupant or occupants, of all houses and lots and improved or unimproved lands affected thereby, and to all others whom it may concern, to wit:

First—That we have completed our estimate and assessment, and that all persons interested in this proceeding, or in any of the lands affected thereby, and having objections thereto, do present their said objections in writing, duly verified, to us at our office, No. 280 Broadway (Room 4), in said city, on or before the thirteenth day of September, 1890, and that we, the said Commissioners, will hear parties so objecting within ten week-days next after the said thirteenth day of September,

1890, and for that purpose will be in attendance at our said office on each of said ten days at two o'clock P. M.

Second—That the abstract of our said estimate and assessment, together with our damage and benefit maps, and also all the affidavits, estimates and other documents used by us in making our report, have been deposited with the Commissioner of Public Works of the City of New York, at his office, No. 31 Chambers street, in the said city, there to remain until the fifteenth day of September, 1890.

Third—That the limits of our assessment for benefit include all those lots, pieces or parcels of land, situate, lying and being in the City of New York, which taken together are bounded and described as follows, viz.: Northerly by the northerly line of East One Hundred and Forty-first street; easterly by a line parallel with and distant 100 feet easterly from the easterly line of Walnut avenue; southerly by the southerly line of East One Hundred and Thirty-second street, and westerly by a line parallel with and distant 100 feet westerly from the westerly line of Walnut avenue; excepting from said area all the streets, avenues and roads, or portions thereof, heretofore legally opened, and all the unimproved land included within the lines of streets, avenues, roads, public squares and places shown and laid out upon any map or maps filed by the Commissioners of the Department of Public Parks pursuant to the provisions of chapter 604 of the Laws of 1874, and the laws amendatory thereof, or of chapter 410 of the Laws of 1882, as such area is shown upon our benefit map deposited as aforesaid.

Fourth—That our report herein will be presented to the Supreme Court of the State of New York, at a Special Term thereof, to be held at the Chambers thereof, in the County Court-house, in the City of New York, on the thirtieth day of September, 1890, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated New York, August 2, 1890.

JOHN H. KNOEPPPEL, Chairman,  
RICHARD H. CLARKE,  
JOHN H. SPELLMAN,  
Commissioners.

JOHN P. DUNN, Clerk.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf of the Mayor, Aldermen and Commonality of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to that part of EAST ONE HUNDRED AND SEVENTY-THIRD STREET (although not yet named by proper authority), extending from Weeks street to Third avenue, in the Twenty-fourth Ward of the City of New York, as the same has been heretofore laid out and designated as a first-class street or road by the Department of Public Parks.

**WE, THE UNDERSIGNED, COMMISSIONERS** of Estimate and Assessment in the above-entitled matter, hereby give notice to all persons interested in this proceeding, and to the owner or owners, occupant or occupants, of all houses and lots and improved or unimproved lands affected thereby, and to all others whom it may concern, to wit:

First—That we have completed our estimate and assessment, and that all persons interested in this proceeding, or in any of the lands affected thereby, and having objections thereto, do present their said objections in writing, duly verified, to us at our office, No. 200 Broadway (fifth floor), in the said city, on or before the tenth day of September, 1890, and that we, the said Commissioners, will hear parties so objecting within the ten week-days next after the said tenth day of September, 1890, and for that purpose will be in attendance at our said office on each of said ten days at four o'clock P. M.

Second—That the abstract of our said estimate and assessment, together with our damage and benefit maps, and also all the affidavits, estimates and other documents used by us in making our report, have been deposited with the Commissioner of Public Works of the City of New York, at his office, No. 31 Chambers street, in the said city, there to remain until the eleventh day of September, 1890.

Third—That the limits of our assessment for benefit include all those lots, pieces or parcels of land, situate, lying and being in the City of New York, which taken together are bounded and described as follows, viz.: Northerly by the centre line of the blocks between East One Hundred and Seventy-third street and East One Hundred and Seventy-fourth street, and the centre line of the block between East One Hundred and Seventy-third street, Morris avenue and Monroe place; easterly by the westerly line of Vanderbilt avenue, East, and the westerly line of Third avenue; southerly by the centre line of the blocks between East One Hundred and Seventy-second street and East One Hundred and Seventy-third street, the centre line of the block between Wendover avenue and East One Hundred and Seventy-third street, the centre line of the blocks between East One Hundred and Seventy-third street and a certain unnamed street or avenue running from Webster avenue to Anthony avenue and distant about 310 feet southerly from the southerly line of East One Hundred and Seventy-third street, a line equidistant from the southerly line of East One Hundred and Seventy-third street and the prolongation easterly of the northerly line of Walnut street from Topping street to Anthony avenue and the centre line of the blocks between Walnut street and East One Hundred and Seventy-third street; and westerly by the easterly line of Webster avenue, the easterly line of Morris avenue and the easterly line of Weeks street; excepting from said area all the streets, avenues and roads, or portions thereof, heretofore legally opened, and all the unimproved land included within the lines of streets, avenues, roads, public squares and places shown and laid out upon any map or maps filed by the Commissioners of the Department of Public Parks, pursuant to the provisions of chapter 604 of the Laws of 1874, and the Laws amendatory thereof, or of chapter 410 of the Laws of 1882, as such area is shown upon our benefit map deposited as aforesaid.

Fourth—That our report herein will be presented to the Supreme Court of the State of New York, at a Special Term thereof, to be held at the Chambers thereof, in the County Court-house, in the City of New York, on the 23d day of September, 1890, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated New York, July 21, 1890.

MICHAEL J. KELLY, Chairman,  
JOSEPH E. NEWBURGER,  
SAMUEL R. ELLIOTT,  
Commissioners.

CARROLL BERRY, Clerk.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf of the Mayor, Aldermen and Commonality of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to GERMAN PLACE (although not yet named by proper authority), extending from Westchester avenue to Brook avenue, and to RAE STREET (although not yet named by proper authority), extending from St. Ann's avenue to German place, and to CARR STREET (although not yet named by proper authority), extending from St. Ann's avenue to German place, in the Twenty-third Ward of the City of New York, as the same have been heretofore laid out and designated as first-class streets or roads by the Department of Public Parks.

**WE, THE UNDERSIGNED, COMMISSIONERS** of Estimate and Assessment in the above-entitled matter, hereby give notice to all persons interested in this proceeding, and to the owner or owners, occupant or occupants, of all houses and lots and improved or unimproved lands affected thereby, and to all others whom it may concern, to wit:

First—That we have completed our estimate and assessment, and that all persons interested in this proceeding, or in any of the lands affected thereby, and having objections thereto, do present their said objections in writing, duly verified, to us at our office, No. 200 Broadway (fifth floor), in the said city, on or before the sixth day of August, 1890, and that we, the said

Commissioners, will hear parties so objecting within the ten week-days next after the said thirteenth day of September, 1890, and for that purpose will be in attendance at our said office on each of said ten days at 3.30 o'clock P. M.

Second—That the abstract of our said estimate and assessment, together with our damage and benefit maps, and also all the affidavits, estimates and other documents used by us in making our report, have been deposited with the Commissioner of Public Works of the City of New York, at his office, No. 31 Chambers street, in the said city, there to remain until the fifteenth day of September, 1890.

Third—That the limits of our assessment for benefit include all those lots, pieces or parcels of land, situate, lying and being in the City of New York, which taken together are bounded and described as follows, viz.: Northerly by the centre line of the blocks between Devoe street and Union street, and the southerly line of Birch street; easterly by the centre line of the blocks between Bremer avenue and Anderson avenue and a line parallel with, and distant 100 feet easterly from the easterly line of Bremer avenue, and extending from Anderson avenue to Jerome avenue; southerly by the northerly line of Jerome avenue and the centre line of the block between Devoe street and Kemp place; and westerly by the centre line of the blocks between Bremer avenue and Ogden avenue, the easterly line of Ogden avenue and the centre line of the blocks between Bremer avenue and a certain unnamed street or avenue, being the first street or avenue westerly from, and having the same general direction as, Bremer avenue; excepting from said area all the streets, avenues and roads, or portions thereof, heretofore legally opened, and all the unimproved land included within the lines of streets, avenues, roads, public squares and places shown and laid out upon any map or maps filed by the Commissioners of the Department of Public Parks, pursuant to the provisions of chapter 604 of the Laws of 1874, and the laws amendatory thereof, or of chapter 410 of the Laws of 1882, as such area is shown upon our benefit map deposited as aforesaid.

Fourth—That our report herein will be presented to the Supreme Court of the State of New York at a Special Term thereof, to be held at the Chambers thereof, in the County Court-house in the City of New York, on the twenty-ninth day of September, 1890, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated New York, July 31, 1890.

GEO. W. MCADAM,  
JOHN H. MONAGHAN,  
Commissioners.

CARROLL BERRY, Clerk.

In the matter of the application of the Department of Public Works and of the Counsel to the Corporation, for and on behalf of the Mayor, Aldermen and Commonality of the City of New York, relative to the opening of MANHATTAN STREET in a westerly direction from Twelfth avenue to the established bulkhead-line in the Hudson river, as said street was laid out and extended by chapter 523 of the Laws of 1887, passed June 15, 1887.

**WE, THE UNDERSIGNED, COMMISSIONERS** of Estimate and Assessment in the above-entitled matter, hereby give notice to all persons interested in this proceeding and to the owner or owners, occupant or occupants, of all houses and lots and improved or unimproved lands affected thereby, and to all others whom it may concern, to wit:

First—That we have completed our estimate and assessment, and that all persons interested in this proceeding, or in any of the lands affected thereby, and having objections thereto, do present their said objections in writing, duly verified, to us at our office, No. 200 Broadway (fifth floor), in the said city, on or before the 9th day of September, 1890, and that we, the said Commissioners, will hear parties so objecting within the ten week-days next after the said 9th day of September, 1890, and for that purpose will be in attendance at our said office on each of said ten days at 3 o'clock P. M.

Second—That the abstract of our said estimate and assessment, together with our damage and benefit maps and also all the affidavits, estimates and other documents used by us in making our report, have been deposited with the Commissioner of Public Works of the City of New York, at his office, No. 31 Chambers street, in the said city, there to remain until the 10th day of September, 1890.

Third—That the limits of our assessment for benefit include all those lots, pieces or parcels of land situate, lying and being in the City of New York, which taken together are bounded and described as follows, viz.: Northerly by the southerly line of One Hundred and Fortieth street, from bulkhead-line of Hudson river to Tenth avenue; the southerly line of One Hundred and Thirty-ninth street, from Tenth avenue to Convent avenue; the prolongation easterly of the centre line of One Hundred and Thirty-eighth street, from Convent avenue to Avenue St. Nicholas, and the southerly line of One Hundred and Thirty-seventh street, from Avenue St. Nicholas to the centre line of the block between Edgecombe avenue and Eighth avenue; easterly by the westerly lines of Tenth avenue, Convent avenue, Avenue St. Nicholas and the centre line of the blocks between Edgecombe, St. Nicholas and Manhattan avenues and Eighth avenue; southerly by the northerly line of One Hundred and Twentieth street, the prolongation westerly of the centre line of One Hundred and Twentieth street, from Ninth avenue to Morningside avenue, and from the Boulevard to Twelfth avenue; and westerly by the bulkhead-line of the Hudson river; excepting from said area all the streets, avenues and roads, or portions thereof, heretofore legally opened, as such area is shown upon our benefit map deposited as aforesaid.

Fourth—That our report herein will be presented to the Supreme Court of the State of New York at a Special Term thereof, to be held at the Chambers thereof, in the County Court-house in the City of New York, on the 23d day of September, 1890, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated New York, July 21, 1890.

CHAS. H. HASWELL, Chairman,  
THOS. J. MILLER,  
Commissioners.

CARROLL BERRY, Clerk.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York for and on behalf of the Mayor, Aldermen and Commonality of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to GERMAN PLACE (although not yet named by proper authority), extending from Westchester avenue to Brook avenue, and to RAE STREET (although not yet named by proper authority), extending from St. Ann's avenue to German place, and to CARR STREET (although not yet named by proper authority), extending from St. Ann's avenue to German place, in the Twenty-third Ward of the City of New York, as the same have been heretofore laid out and designated as first-class streets or roads by the Department of Public Parks.

**WE, THE UNDERSIGNED, COMMISSIONERS** of Estimate and Assessment in the above-entitled matter, hereby give notice to all persons interested in this proceeding and to the owner or owners, occupant or occupants, of all houses and lots and improved or unimproved lands affected thereby, and to all others whom it may concern, to wit:

First—That we have completed our estimate and assessment, and that all persons interested in this proceeding, or in any of the lands affected thereby, and having objections thereto, do present their said objections in writing, duly verified, to us at our office, No. 200 Broadway (fifth floor), in the said city, on or before the sixth day of August, 1890, and that we, the said



Commissioners, will hear parties so objecting within the ten week-days next after the said sixth day of August, 1890, and for that purpose will be in attendance at our said office on each of said ten days at one o'clock P. M.

Second—That the abstract of our said estimate and assessment, together with our damage and benefit maps, and also all the affidavits, estimates and other documents used by us in making our report, have been deposited with the Commissioner of Public Works of the City of New York, at his office, No. 31 Chambers Street, in the said city, there to remain until the seventh day of August, 1890.

Third—That the limits of our assessment for benefit include all those lots, pieces or parcels of land, situate, lying and being in the City of New York, which, taken together, are bounded and described as follows, viz.: Northerly by a line parallel with and distant 100 feet northerly from the northerly line of Third Avenue and extending from the easterly line of the Port Morris Branch Railroad to the southerly line of East One Hundred and Sixty-first Street, the southerly line of East One Hundred and Sixty-first Street and a line parallel with and distant 100 feet northerly from the northerly line of Clifton Street and extending from the easterly line of Third Avenue to the centre line of the block between Third Avenue and Eagle Avenue; easterly by the centre line of the block between Third Avenue and Eagle Avenue, the centre line of the blocks between St. Ann's Avenue and Eagle Avenue, and an irregular line commencing at a point in the southerly line of East One Hundred and Sixty-first Street, equidistant from St. Ann's Avenue and Eagle Avenue, and extending in a general southerly direction between the lines of said avenues to its intersection with a line parallel with, and distant 100 feet southerly from the southerly line of Westchester Avenue; southerly by a line parallel with and distant 100 feet southerly from the southerly line of Westchester Avenue; and westerly by the westerly line of Brook Avenue and the easterly line of the Port Morris Branch Railroad; excepting from said area all the streets, avenues and roads, or portions thereof heretofore legally opened, and all the unimproved land included within the lines of streets, avenues, roads, public squares and places shown and laid out upon any map or maps filed by the Commissioners of the Department of Public Parks, pursuant to the provisions of chapter 604 of the Laws of 1874, and the laws amendatory thereof, or of chapter 410 of the Laws of 1882, as such area is shown upon our benefit map deposited as aforesaid.

Fourth—That our report herein will be presented to the Supreme Court of the State of New York, at a Special Term thereof, to be held at the chambers thereof, in the County Court-house, in the City of New York, on the twenty-second day of August, 1890, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated New York, June 27, 1890.  
SAMUEL R. ELLIOTT, Chairman,  
JOSEPH E. NEWBURGER,  
MICHAEL J. KELLY,  
CARROLL BERRY, Clerk. Commissioners.

## HEALTH DEPARTMENT.

HEALTH DEPARTMENT,  
No. 301 MOTT STREET,  
NEW YORK, August 9, 1890.

## NOTICE OF SALE AT PUBLIC AUCTION.

ON FRIDAY, AUGUST 22, 1890, AT 11 o'clock A. M., the Health Department will sell at public auction, by Messrs. Van Tassel & Kearney, Auctioneers, at Nos. 130 and 132 East Thirteenth Street, the following articles, viz.:

One CHESTNUT GELDING, 16½ hands high.  
One BUGGY.

### TERMS OF SALE.

Cash payments in full must be made in bankable funds at the time and place of sale, and the articles purchased must be removed by the purchasers within ten days from date of sale, otherwise purchasers will forfeit their right to same, together with all moneys paid therefor.

CHARLES G. WILSON,  
JOSEPH D. BRYANT, M. D.,  
WILLIAM M. SMITH, M. D.,  
CHARLES F. MACLEAN,  
Commissioners.

## FINANCE DEPARTMENT.

SALE OF LEASE OF FERRY FOOT OF THIRTEENTH STREET, NORTH RIVER, TO JERSEY CITY.

THE COMPTROLLER OF THE CITY OF NEW YORK will sell at public auction, to the highest bidder, at his office, Room No. 15, Stewart Building, No. 280 Broadway, on Thursday, the 21st day of August, 1890, at 12 o'clock noon, a lease of the franchise of the ferry between West Thirteenth Street, North River, and Jersey City, along with the wharf property used and required for ferry purposes belonging to the Corporation of the City of New York, at the landing near the foot of said West Thirteenth Street, for the term of ten years, from the first day of May, 1890, under a resolution passed by the Commissioners of the Sinking Fund on July 2, 1890.

### TERMS OF SALE.

Bids will be received for the franchise along with the wharf property belonging to the city at the landing of the ferry near the foot of West Thirteenth Street, North River, at a rental not less than the minimum or upset price of \$2,500 per annum, the rent to commence with possession on September 1, 1890.

The highest bidder will be required to pay the auctioneer's fee and deposit with the Comptroller at the time of sale twenty-five per cent. of the yearly rental bid by him, which shall be applied to the rent first becoming due, or be forfeited to the City if the lease is not executed by him and his sureties when notified by the Comptroller that it is ready for execution; an obligation to be signed to that effect. He will be required to give bonds in double the amount of the yearly rental, with two sufficient sureties, to be approved by the Comptroller, providing for the faithful performance of the covenants and conditions of the lease and the payment of the rent, quarterly in advance.

The lease will contain the usual covenants and conditions in conformity with the provisions of law and the ordinances of the Common Council relating to ferries, and the rules and regulations of the Department of Docks. A copy of the form of lease which the purchaser or lessee will be required to execute, which form is a part of the terms of sale, and is on file and can be seen at the office of the Comptroller.

The right to reject any bid is reserved, if it is deemed to be for the interest of the city.

THEO. W. MYERS,  
Comptroller.

CITY OF NEW YORK—FINANCE DEPARTMENT,  
COMPTROLLER'S OFFICE, August 8, 1890.

CITY OF NEW YORK,  
FINANCE DEPARTMENT,  
COMPTROLLER'S OFFICE,  
July 23, 1890.

## NOTICE TO PROPERTY-OWNERS.

IN PURSUANCE OF SECTION 997 OF THE "New York City Consolidation Act of 1882," the Comptroller of the City of New York hereby gives public notice to all persons, owners of property affected

by the assessment list in the matter of acquiring title to East One Hundred and Fifty-third Street, from Railroad Avenue, East, to Third Avenue, which was confirmed by the Supreme Court, July 18, 1890, and entered on the 22d day of July, 1890, in the Record of Titles of Assessments, kept in the "Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents," that unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessment, interest will be collected thereon as provided in section 993 of said "New York City Consolidation Act of 1882."

Section 998 of the said act provides that, "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment, to charge, collect and receive interest thereon at the rate of seven per centum per annum, to be calculated from the date of such entry to the date of payment."

The above assessment is payable to the Collector of Assessments and Clerk of Arrears, at the "Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents," Room 31, Stewart Building, between the hours of 9 A. M. and 2 P. M., and all payments made thereon, on or before September 22, 1890, will be exempt from interest as above provided, and after that date will be subject to a charge of interest at the rate of seven per cent. per annum from the date of entry in the Record of Titles of Assessments in said Bureau to the date of payment.

THEODORE W. MYERS,  
Comptroller.

## REAL ESTATE RECORDS.

THE ATTENTION OF LAWYERS, REAL ESTATE OWNERS, Monetary Institutions engaged in making loans upon real estate, and all who are interested in providing themselves with facilities for reducing the cost of examinations and searches, is invited to these Official Indices of Records, containing all recorded transfers of real estate in the City of New York from 1653 to 1887, prepared under the direction of the Commissioners of Records.

Grantors, grantees, suits in equity, insolvents' and Sheriff's sales in 61 volumes, full bound, price ..... \$100 00  
The same in 25 volumes, half bound ..... 50 00  
Complete sets, folded, ready for binding ..... 15 00  
Records of Judgments, 25 volumes, bound ..... 10 00  
Orders should be addressed to "Mr. Stephen Angell, Room 23, Stewart Building."

THEODORE W. MYERS,  
Comptroller.

## QUARANTINE COMMISSION.

OFFICE OF THE COMMISSIONERS,  
CREATED BY CHAPTER 270, LAWS OF 1888,  
No. 71 BROADWAY, ROOM 101,  
NEW YORK, August 18, 1890.

## TO CONTRACTORS.

SEALED PROPOSALS WILL BE RECEIVED at the office of the Commissioners of Quarantine, No. 71 Broadway, Room 101, until 1 o'clock P. M. Wednesday, August 27, 1890, at which place and hour they will be publicly opened—

For Plumbing, Painting, Carpenter, Mason Work, etc., at Swinburne Island; also, for building a Small Dock, relaying Crib and Asphalting and Concreting the same.

Bids for Dock, Crib Work, Asphalting and Concreting must be made in one tender.

Bidders for the other work may submit separate bids for each kind of work, or include all in one tender.

Plans and specifications may be seen, and all desired information obtained at the office of Mr. Stephen D. Hatch, Architect in charge, No. 115 Broadway.

The Commissioners reserve the right to reject any and all bids received for the whole or any part of the above work.

Successful bidders will be required to furnish bondsman satisfactory to the Commissioners, when contracts are executed, the amount of said bonds to be determined by them.

CHAS. F. ALLEN,  
President.

## DEPARTMENT OF PUBLIC WORKS.

DEPARTMENT OF PUBLIC WORKS,  
COMMISSIONER'S OFFICE,  
No. 31 CHAMBERS STREET,  
NEW YORK, August 18, 1890.

## NOTICE OF SALE AT PUBLIC AUCTION.

ON FRIDAY, AUGUST 29, 1890, at 11 o'clock A. M., the Department of Public Works will sell at public auction, under the supervision of the Superintendent of Incumbrances, by Messrs. Van Tassel & Kearney, Auctioneers, on the premises, the following, viz.:

WITHIN THE LINES OF ONE HUNDRED AND FORTY-EIGHTH STREET, BETWEEN TENTH AND ST. NICHOLAS AVENUES, ONE FRAME BUILDING, 76 x 65, OR SO MUCH THEREOF AS LIES WITHIN THE LINES OF THE STREET.

### TERMS OF SALE.

The purchaser must remove the building or parts thereof entirely out of the line of the street, on or before the 18th day of September, 1890, otherwise he will forfeit the same, together with all moneys paid therefor.

The purchase money to be paid in bankable funds at the time and place of sale, or the building to be resold.

THOMAS F. GILROY,  
Commissioner of Public Works.

DEPARTMENT OF PUBLIC WORKS,  
COMMISSIONER'S OFFICE,  
Room 6, No. 31 CHAMBERS STREET,  
NEW YORK, August 8, 1890.

## TO CONTRACTORS.

BIDS OR ESTIMATES, INCLOSED IN A sealed envelope, with the title of the work and the name of the bidder indorsed thereon, also the number of the work as in the advertisement, will be received at this office until 12 o'clock M. Thursday, August 21, 1890, at which place and hour they will be publicly opened by the head of the Department.

No. 1. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON CONCRETE FOUNDATION, THE ROADWAY OF EIGHTY-FIFTH STREET, from Boulevard to Riverside Drive.

No. 2. FOR REGULATING AND PAVING WITH ASPHALT BLOCK PAVEMENT THE ROADWAY OF EIGHTY-SEVENTH STREET, from Eighth to Ninth Avenue, and from Tenth Avenue to the Boulevard.

No. 3. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON CONCRETE FOUNDATION, THE ROADWAY OF EIGHTY-SEVENTH STREET, from West End Avenue to the Riverside Drive.

No. 4. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON CONCRETE FOUNDATION, THE ROADWAY OF EIGHTY-EIGHTH STREET, from Boulevard to West End Avenue.

No. 5. FOR REGULATING AND PAVING WITH TRAP-BLOCK PAVEMENT THE ROADWAY OF ONE HUNDRED AND FORTY-SECOND STREET, from Tenth to Eleventh Avenue.

No. 6. FOR REGULATING AND PAVING WITH GRANITE-BLOCK PAVEMENT THE ROADWAY OF EIGHTY-FOURTH STREET, from Tenth Avenue to the Boulevard.

No. 7. FOR REGULATING AND PAVING WITH GRANITE-BLOCK PAVEMENT THE CARRIAGEWAY OF EIGHTY-EIGHTH STREET, from Madison to Fifth Avenue.

No. 8. FOR REGULATING AND PAVING WITH GRANITE-BLOCK PAVEMENT THE ROADWAY OF EIGHTY-NINTH STREET, between Tenth Avenue and the Boulevard.

No. 9. FOR REGULATING AND PAVING WITH GRANITE-BLOCK PAVEMENT THE ROADWAY OF NINETY-FOURTH STREET, from Second to Third Avenue.

No. 10. FOR REGULATING AND PAVING WITH GRANITE-BLOCK PAVEMENT THE ROADWAY OF NINETY-FIFTH STREET, from Tenth Avenue to the Boulevard.

No. 11. FOR REGULATING AND PAVING WITH GRANITE-BLOCK PAVEMENT THE ROADWAY OF ONE HUNDRED AND SECOND STREET, from First Avenue to the Harlem River.

No. 12. FOR REGULATING AND PAVING WITH GRANITE-BLOCK PAVEMENT THE CARRIAGEWAY OF ONE HUNDRED AND FOURTH STREET, from the Boulevard to the Riverside Drive.

No. 13. FOR REGULATING AND PAVING WITH GRANITE-BLOCK PAVEMENT THE ROADWAY OF ONE HUNDRED AND FIFTH STREET, between Park and Fifth Avenues.

No. 14. FOR REGULATING AND PAVING WITH GRANITE-BLOCK PAVEMENT THE ROADWAY OF ONE HUNDRED AND FOURTEENTH STREET, from Madison to Fifth Avenue.

No. 15. FOR REGULATING AND PAVING WITH GRANITE-BLOCK PAVEMENT THE ROADWAY OF ONE HUNDRED AND NINTH STREET, from Madison to Fifth Avenue.

No. 16. FOR REGULATING AND PAVING WITH GRANITE-BLOCK PAVEMENT THE ROADWAY OF MADISON AVENUE, from One Hundred and Sixteenth to One Hundred and Twentieth Street.

No. 17. FOR REGULATING AND PAVING WITH GRANITE-BLOCK PAVEMENT THE ROADWAY OF SYLVAN PLACE, from One Hundred and Twentieth to One Hundred and Twenty-first Streets.

No. 18. FOR REGULATING AND PAVING WITH GRANITE-BLOCK PAVEMENT THE ROADWAY OF ONE HUNDRED AND TWENTY-FIFTH STREET, from Manhattan Street to the Boulevard.

No. 19. FOR REGULATING AND PAVING WITH GRANITE-BLOCK PAVEMENT THE ROADWAY OF FIRST AVENUE, from One Hundred and Twenty-fifth to One Hundred and Twenty-sixth Street.

No. 20. FOR REGULATING AND PAVING WITH GRANITE-BLOCK PAVEMENT THE ROADWAY OF ONE HUNDRED AND THIRTIETH STREET, from Tenth Avenue to the Boulevard.

Each estimate must contain the name and place of residence of the person making the same, the names of all persons interested with him therein, and if no other person be so interested it shall distinctly state that fact. That it is made without any connection with any other person making an estimate for the same work, and is in all respects fair and without collusion or fraud. That no member of the Common Council, head of a department, chief of a bureau, deputy thereof, or clerk therein, or other officer of the Corporation, is directly or indirectly interested in the estimate or in the work to which it relates or in the profits thereof.

Each estimate must be verified by the oath, in writing, of the party making the same, that the several matters therein stated are true, and must be accompanied by the consent, in writing, of two householders or freeholders in the City of New York, to the effect that if the contract is awarded to the person making the estimate, they will, upon its being so awarded, become bound as his sureties for his faithful performance; and that if he shall refuse or neglect to execute the same, they will pay to the Corporation any difference between the sum to which he would be entitled upon its completion and that which the Corporation may be obliged to pay to the person to whom the contract shall be awarded at any subsequent letting; the amount to be calculated upon the estimated amount of the work by which the bids are tested.

The consent last above mentioned must be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of the contract, over and above all his debts of every nature, and over and above his liabilities as bail, surety, or otherwise, and that he has offered himself as surety in good faith, with the intention to execute the bond required by law.

No estimate will be considered unless accompanied by either a certified check upon one of the State or National banks of the City of New York, drawn to the order of the Comptroller, or money to the amount of five per centum of the amount of the security required for the faithful performance of the contract. Such check or money must not be inclosed in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the Estimate-book, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited to and retained by the City of New York, as liquidated damages for such neglect or refusal, but if he shall execute the contract within the time aforesaid, the amount of his deposit will be returned to him.

THE COMMISSIONER OF PUBLIC WORKS RESERVES THE RIGHT TO REJECT ALL BIDS RECEIVED FOR ANY PARTICULAR WORK IF HE DEEMS IT FOR THE BEST INTERESTS OF THE CITY.

Blank forms of bid or estimate, the proper envelopes in which to inclose the same, the specifications and agreements, and any further information desired, can be obtained at Room 1, No. 31 Chambers Street.

THOMAS F. GILROY,  
Commissioner of Public Works.

DEPARTMENT OF PUBLIC WORKS,  
COMMISSIONER'S OFFICE,  
No. 31 CHAMBERS STREET,  
NEW YORK, June 2, 1890.

## TO THE PEOPLE OF THE CITY OF NEW YORK.

It becomes my duty as Commissioner of Public Works and custodian of the many and immense interests involved in the City's water supply, to briefly present to the people of the City the present condition of the supply, and the extreme necessity for care and economy in the use of the water.

For a number of years past and up to the present time, the old Aqueduct and the Bronx river conduit have delivered in the City all the water which they are capable of carrying, the supply thus remaining stationary when the City has been constantly growing in population, buildings, manufactures and commerce, creating new and additional demands upon the water service. The consequence is that at certain seasons of the year, notably in extreme cold weather, when the habit of wasting water from faucets to prevent freezing in the pipes prevails, and in warm and dry weather, when various methods of waste are in vogue, the daily consumption exceeds the supply which can by any possibility be received through the old Aqueduct and the Bronx river conduit, the excess of consumption being drawn from the city reservoirs, diminishing the depth of water and the pressure in the distributing mains. There is no possibility of increasing the water supply received in the City until the new Aqueduct is brought into operation, and in the meantime the only reliance for a fair and equal distribution of water throughout the city is care and economy in its use on the part of the people. Already the depth of water in the reservoirs is being diminished at the rate of one inch per day, and if this should continue for any length of time, the pressure in the distributing mains would be so reduced that it would be impossible to deliver water in thousands of houses located on high ground, and in some other locations even in the basements or cellars.

I, therefore, most earnestly appeal to all citizens, residents and people carrying on business in this city to be careful and economical in the use of water, in justice to themselves, to the people at large, and especially to those who are so located as to be already suffering inconvenience from insufficient supply of water.

THOMAS F. GILROY,  
Commissioner of Public Works.

DEPARTMENT OF PUBLIC WORKS,  
COMMISSIONER'S OFFICE,  
No. 31 CHAMBERS STREET,  
NEW YORK, August 14, 1890.

## TO OWNERS OF LANDS ORIGINALLY ACQUIRED BY WATER GRANTS.

ATTENTION IS CALLED TO THE RECENT act of the Legislature (chapter 449, Laws of 1889), which provides that whenever any streets or avenues in the city, described in any grant of land under water, from the Mayor, Aldermen and Commonalty, containing covenants requiring the grantees and their successors to pave, repave, keep in repair or maintain such streets, shall be in need of repairs, pavement or repavement, the Common Council may, by ordinance, require the same to be paved, repaved or repaired, and the expense thereof to be assessed on the property benefited; and whenever the owner of a lot so assessed shall have paid the assessment levied for such paving, repaving or repairing, such payment shall release and discharge such owner from any and every covenant and obligation as to paving, repaving and repairing, contained in the water grant under which the premises are held, and no further assessment shall be imposed on such lot for paving, repaving or repairing such street or avenue, unless it shall be petitioned for by a majority of the owners of the property (who shall also be the owners of a majority of the property in frontage) on the line of the proposed improvement.

The act further provides that the owner of any such lot may notify the Commissioner of Public Works, in writing, specifying the ward number and street number of the lot, that he desires, for himself, his heirs and assigns, to be released from the obligation of such covenants, and elects and agrees that said lot shall be thereafter liable to be assessed as above provided, and thereupon the owner of such lot, his heirs and assigns shall thenceforth be relieved from any obligation to pave, repair, uphold or maintain said street, and the lot in respect of which such notice was given shall be liable to assessment accordingly.

The Commissioner of Public Works desires to give the following explanation of the operation of this act: When notice, as above described, is given to the Commissioner of Public Works, the owner of the lot or lots therein described, and his heirs and assigns, are forever released from all obligation under the grant in respect to paving, repaving or repairing the street in front of or adjacent to said lot or lots, except one assessment for such paving, repaving or repairs, as the Common Council may, by ordinance, direct to be made thereafter.

No street or avenue within the limits of such grants can be paved, repaved or repaired until said work is authorized by ordinance of the Common Council, and when the owners of such lots desire their streets to be paved, repaved or repaired, they should state their desire and make their application to the Board of Aldermen and not to the Commissioner of Public Works, who has no authority in the matter until directed by ordinance of the Common Council to proceed with the pavement, repavement or repairs.

THOS. F. GILROY,  
Commissioner of Public Works.

DEPARTMENT OF PUBLIC WORKS,  
COMMISSIONER'S OFFICE,  
No. 31 CHAMBERS STREET,  
NEW YORK, June 1st, 1890.

## PUBLIC NOTICE AS TO WATER RATES.

PUBLIC NOTICE IS HEREBY GIVEN THAT in compliance with the provisions of chapter 559, Laws of 1887, amending sections 350 and 921 of the New York City Consolidation Act of 1882, passed June 9, 1887, the following changes are made in charging and collecting water rents:

1st. All extra charges for water incurred from and after June 9, 1887, shall be treated, collected and returned in arrears in the same manner as regular rents have heretofore been treated.

2d. In every building where a water meter or meters are now, or shall hereafter be in use, the charge for water by meter measurement shall be the only charge against such building, or such part thereof as is supplied through meter.

3d. The returns of arrears of water rents, including the year 1887, shall be made as heretofore on the confirmation of the tax levy by the Board of Aldermen, and shall include all charges and penalties of every nature.

4th. A penalty of five dollars (\$5) is hereby established, and will be imposed in each and every case where the rules and regulations of the Department prohibiting the use of water through hose, or in any other wasteful manner, are violated, and such penalties will be entered on the books of the Bureau against the respective buildings or property, and, if not collected, be returned in arrears in like manner as other charges for water.

5th. Charges for so-called extra water rents of every nature, imposed or incurred prior to June 9, 1887, will be canceled of record on the books of the Department.

THOMAS F. GILROY,  
Commissioner of Public Works.

## THE CITY RECORD.

THE CITY RECORD IS PUBLISHED DAILY, Sundays and legal holidays other than the general election day excepted, at No. 2 City Hall, New York City. Price, single copy, 3 cents; annual subscription \$9.30.

W. J. K. KENNY,  
Supervisor